

PUBLIC HEALTH REPORTS.

VOL. XXVI.

APRIL 14, 1911.

No. 15.

A NOTE ON SMALLPOX AND VACCINATION IN THE PHILIPPINE ISLANDS.

By Victor G. Heiser, Director of Health, Philippine Islands.

During December, 1910, a person afflicted with smallpox was transferred from San Jose, Antique, to the island of Caluya, which is a small isolated island south of Mindora, the inhabitants of which have heretofore not been systematically vaccinated. An old woman took some of the contents of a pustule from the smallpox case shortly before death and commenced to vaccinate a number of the inhabitants. Smallpox in epidemic form soon resulted. The population of Caluya and near-by islands is about 2,000. Approximately 1,000 cases of smallpox occurred before the facts became known to the outer world. Vaccinators, properly equipped, were immediately sent to Caluya. They vaccinated 800 of the remaining thousand persons. Of these not one contracted smallpox who had a successful vaccination that was two weeks old. The chief quarantine officer visited 10 families, ranging from 5 to 8 in number. In 6 of these every member was stricken with smallpox. A physical examination showed that they had no vaccination marks. In two other families 6 persons were stricken and 2 escaped infection. A physical examination showed that of the 6 stricken members not one had been vaccinated. The 2 remaining members had successful vaccination marks. Upon inquiry it was learned that they had visited Calapan a year previously and were vaccinated while there. In two other families living in the midst of a smallpox stricken village there were no cases of smallpox. A physical examination showed that they had good vaccination scars. Further inquiry elicited the statement that they had but recently come from another island where they had been vaccinated. In one house one person was found with varioloid. Upon inquiry it was learned that he had been vaccinated during childhood.

Net result: Community of 2,000 population; 1,000 unvaccinated persons contract smallpox; 400 die; 800 are protected by vaccination; no cases occur after the incubation period was passed; no deaths occur. The remaining 200 are semicivilized and fled from the vaccinators, and their condition is unknown.

SMALLPOX AND VACCINATION IN CUBA.

By P. VILLOLDO, acting assistant surgeon, United States Public Health and Marine-Hospital Service, Habana.

The history of smallpox in Cuba affords another conclusive proof that it is within the power of any community to eradicate the disease by means of vaccination.

Smallpox had been endemic throughout the island, cases having been imported time and again by the Spanish Transatlantic Line, often by Spanish troops. No records of the number of cases of smallpox which occurred in the island during the Spanish domination are available, but the accompanying table of deaths due to smallpox in the city of Habana, covering a period of 30 years, will illustrate the almost continuous prevalence of the disease.

Mortality from smallpox in Habana from 1870 to 1900.

Years.	Deaths.	Years.	Deaths.
1870.....	681	1886.....	0
1871.....	1,126	1887.....	1,654
1872.....	174	1888.....	550
1873.....	47	1889.....	7
1874.....	772	1890.....	12
1875.....	711	1891.....	151
1876.....	166	1892.....	9
1877.....	97	1893.....	8
1878.....	1,225	1894.....	210
1879.....	523	1895.....	181
1880.....	446	1896.....	1,004
1881.....	706	1897.....	1,404
1882.....	1	1898.....	168
1883.....	5	1899.....	4
1884.....	1	1900.....	2
1885.....	0		

The epidemic of 1887-88, which had its starting point in troops just arrived from Spain, was extinguished by the efforts of the mayor of the city and the medical profession. The physicians of the town undertook to vaccinate gratuitously the whole population of the city, for which purpose they divided themselves into small groups and went from house to house, with the result which may be seen in the following table showing the number of deaths by months:

	1887	1888	1889
January.....		271	
February.....		128	1
March.....		47	
April.....		57	
May.....	22	18	1
June.....	55	15	2
July.....	116	6	2
August.....	209	3	1
September.....	277	3	
October.....	305		
November.....	298		
December.....	372	2	

Vaccination was introduced into Cuba in the year 1804, and that same year a vaccination board was instituted with semiofficial character, but the use of vaccination was very limited, and it encountered much opposition, as has been the case in other countries. In the year 1841 the vaccination board was made a dependency of the superior board of health and regulations were enacted providing that no one should be admitted to the schools or university or employed in workshops or stores without a vaccination certificate.

In 1868 Dr. Luis Ferrer introduced animal vaccine in Cuba. So far only human vaccine virus had been in use. Dr. Ferrer brought

some inoculated calves from Europe at his own expense, made a vigorous campaign to popularize animal vaccine, and published a paper entitled "El Propagador de la Vacuna." As a result of this campaign, a large number of people submitted to the operation at the vaccination institute which he had founded. An official vaccination center was established in Habana in the year 1878 at which animal vaccine was produced, and similar institutions were created in the cities of Matanzas and Cardenas. In the town of Puerto Principe it became customary to vaccinate the children in the churches at the same time that they were baptized.

On account of the smallpox epidemic which took place during the years 1887 and 1888 a new vaccination law was promulgated which required every inhabitant in the island to be vaccinated. As may be seen from the foregoing, vaccine virus was available in Cuba at an early date, and legislation on the matter had gone very far, making vaccination compulsory for everyone, but owing to the opposition of some, the ignorance of many, and the apathy of the authorities, vaccination was practiced on a very moderate scale during the Spanish times, except in the presence of severe epidemics.

During the last few months of the year 1898 the United States occupied Cuba and one of the early considerations was the improvement of the sanitary conditions of the island. In many of the cities compulsory vaccination was enforced.

On January 29, 1901, a commission was appointed to revise the vaccination law of 1887 and to recommend such measures as it might deem necessary to insure vaccination and revaccination in the island of Cuba. As a result of the work of this commission, on June 24, 1901, the new vaccination law was put into effect by the military governor of Cuba.

The following are the requirements of this law, which is still in force:

1. Vaccination and revaccination are obligatory for all the inhabitants of Cuba.
2. All children shall be vaccinated before they are 1 year old. If the first vaccination is not successful, a second trial shall be made within a month, and if this fails a last one at the end of a year.
3. Within four months from the 1st of August, 1901, all persons, 1 or more years old, who have never been successfully vaccinated, shall be vaccinated. If the first trial fails, a second shall be made within a month.
4. All children vaccinated under article 2, whether successfully or unsuccessfully, shall be revaccinated within their eighth year; if the first trial fails, a second shall be made within a month, and if this fails a last one when 10 years old.
5. All children who have been successfully vaccinated between the ages of 1 and 13 years and never revaccinated shall be revaccinated before the expiration of the eighth year after vaccination. If the first trial fails, a second shall be made within a month.

Revaccination shall be enforced only in persons who were vaccinated before the age of 13 and therefore shall never be required in persons more than 20 years old except as provided in article 6.

6. Whenever in any municipality the authorities under report of the board of health or of the municipal physicians declare smallpox to be prevalent or epidemic, all persons residing therein shall be vaccinated who can not prove previous successful vaccination within three years.

7. Upon the provincial and the municipal authorities shall devolve the duty of carrying the above provisions into effect through the boards of health, municipal physicians, and official vaccinators.

In each municipality not exceeding 20,000 inhabitants, a competent physician shall be appointed official vaccinator by the vaccination commission upon the recommendation of the alcalde (mayor). In the municipalities exceeding 20,000 inhabitants, two or more competent physicians shall be thus appointed official vaccinators and assigned to their respective districts by the alcalde (mayor).

As many assistants as may be required by each official vaccinator, not to exceed one for each 3,000 inhabitants, shall be appointed upon recommendation by the alcalde (mayor) and discharged whenever their services are no longer needed or desired.

All cases of smallpox shall be promptly reported by the alcalde (mayor) to the centro general (central office).

8. All persons shall have entire freedom in the choice of the physician to vaccinate or revaccinate them, and the private physicians may charge for the operation the fees they may deem proper.

9. The centro de vacuna (vaccine institute) of the Province of Habana, in the city of Habana, shall be extended and become a centro general de vacuna; no other centro de vacuna shall be officially recognized or supported at public expense. It shall be in charge of a director.

The centro general shall prepare and distribute the virus needed for the whole island, collect all reports and certificates, and compute all statistics. The director shall issue a brief monthly bulletin and an annual report, showing the number vaccinated and revaccinated in the whole island (classified according to locality, age, race, and sex), the result obtained (relative number of successful and unsuccessful cases), the number of calves inoculated, quantity of virus produced at the centro and distributed to each municipality.

10. All necessary virus may be obtained by private physicians, as well as by official vaccinators, from the centro general, free of charge, by requisition in writing upon the director, stating the number of persons for whom it is wanted and the municipality. The receipt of it shall be promptly acknowledged.

Virus from any reputable private institution may also be used by private physicians if preferred.

12. For each person vaccinated or revaccinated the operator (private physician, official vaccinator, or assistant vaccinator) shall prepare, in triplicate, a certificate on the printed form furnished for the purpose, the first or outside copy to be delivered to the person interested, the second or middle copy to be retained by the official vaccinator or delivered to him, and the third (stub) to be retained in the book. When the book of certificates is exhausted it will be turned over to the official vaccinator and kept in the records of the alcaldia (mayor's office).

15. All adult persons, and in case of minor children fathers or guardians, as well as responsible heads of institutions, who fail to comply or cause compliance with the provisions of this order, shall be punishable as follows:

For the first offense a fine of \$5 and for each month thereafter that elapses without remedying the offense a like fine, increased at the rate of \$5 monthly. In case of failure to pay the fine, the person convicted shall suffer subsidiary imprisonment at the rate of one day of imprisonment for each dollar of fine.

The vaccination center was installed in a suitable building and vaccination was continued on a large scale, 265,000 persons being vaccinated from September, 1901, to January, 1902. The result of this work was that by the end of the year 1901 Cuba was free from smallpox. The disease has not reappeared up to this date, but vaccination has been continued at the following rate:

Annual vaccinations.

1902 (Feb. to Dec.).....	22,980	1907.....	43,371
1903.....	31,384	1908.....	38,619
1904.....	31,559	1909.....	71,949
1905.....	55,197	1910.....	80,131
1906.....	39,263		

Besides this, the quarantine service has vaccinated 38,953 individuals in the last five years. All of these vaccinations have been practiced with virus prepared at the centro general de vacuna in Habana under the direction of Dr. Vicente de la Guardia, without any complication having been reported to date. In an average based on the results of three consecutive years, it is found that the inoculations with this virus have been successful in 75 per cent of the vaccinations and in 36 per cent of the revaccinations.

It may be well to mention an interesting case which took place in the year 1904 at Las Animas Hospital, which is used as an isolation hospital for the city of Habana. A patient who arrived at Habana on the steamship *La Navarre* suffering from smallpox was taken to the hospital. On the entrance of the case at the hospital the personnel of the institution was vaccinated, excepting the gardener, who was opposed to this procedure and who managed to avoid vaccination. Although from the nature of his work he had nothing to do with the patient, he contracted the disease and died a few days after from hemorrhagic smallpox. The original case recovered and no further cases of smallpox occurred. Cases of smallpox which arrive at the port of Habana are not now taken to Las Animas Hospital, but sent to the Mariel lazaretto by sea.

It is now 10 years since smallpox was eradicated from the island, and the Cuban sanitary department is preparing a more stringent vaccination law in order to insure the continuance of a practice which has been attended with such good results.

UNITED STATES.

MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

NEWTON, MASS.

POLIOMYELITIS—CHILDREN OF INFECTED HOUSEHOLDS NOT TO ATTEND SCHOOL.

No child in a family in which there is a case of anterior poliomyelitis shall be allowed to attend any public school in the city of Newton until the board of health shall certify that in its opinion it is safe for such child to attend school.

The board of health shall not issue any permit for such child to attend school until at least six weeks shall have elapsed since the occurrence of the last case in the family. [Regulation board of health, adopted Sept. 19, 1910.]

ROANOKE, VA.

HEALTH DEPARTMENT—PERSONNEL, POWERS, AND DUTIES.

1. A department of the city government, to be known and designated as the health department, is hereby created to be composed as hereinafter set out, and invested with the powers and duties herein enumerated.

2. The health department of the city of Roanoke shall be composed of a board of health, a health officer, and such assistants and employees as may from time to time be authorized by council.

3. The board of health shall be composed of five members, residents of the city of Roanoke, two of whom shall be practicing physicians and three laymen.

4. The term of office of the members of the board of health shall be five years from the date of their appointment, or until their successors are elected and qualified, except that the board, as first created under this ordinance, shall be appointed or elected for a term of one, two, three, four, and five years, respectively, from the date of their selection, and the appointment shall be made from each term separately and the term of office shall end, one member each year, the first expiration under the first appointment to end August 1, 1911, and one each year thereafter on August 1.

5. The members of the board of health first elected shall assume the duties of office as soon as elected or chosen and in July of each year thereafter, beginning in July, 1911, the place of retiring members of the board of health shall be filled in the same manner that the members first selected are appointed.

6. The members of the board of health shall be selected by the committee on health and their names sent to council for confirmation, and if confirmed, they shall be members of the board of health, after qualification, and vested with all the powers and the duties belonging to or devolving upon members of the board of health of the city of Roanoke, by reason of State statutes or ordinances of the city of Roanoke, but the members of the board of health shall receive no compensation for their services.

7. Whenever a vacancy shall occur by reason of death, resignation, or otherwise, the vacancy thereby created shall be filled for the unexpired term in the same manner as new members are appointed or selected.

8. Members of the board of health shall be subject to removal by the council whenever in its opinion any member is negligent in his duties or has failed to perform the duties of the office, and any vacancy thus created shall be filled in the same manner as other appointments are made to fill vacancies.

9. The board of health shall, subject to approval or modification by the city council, adopt all needful rules and regulations for the proper and successful operation of the health department of the city, in the prevention and elimination of diseases, the

prevention and abatement of nuisances, and for the proper and prompt performance of such other duties as said department may be required to perform by State law or the ordinances of the city, and recommend to the council such health ordinances as from time to time it may deem advisable for the following purposes:

(a) To prevent the adulteration of all kinds of food and drink and to prevent the sale, or exposure for sale, of any kind of meat or vegetable that is unwholesome or unfit for food.

(b) To regulate the bacteriological examination of such matters and things as the public health may demand; the inspection and examination of milk; the regulation of dairies and milk dealers and the care and housing of milk cows.

(c) To prevent the spreading of dangerous epidemics or contagious diseases, and to declare that same has become an epidemic and to maintain and enforce sufficient quarantine whenever deemed necessary.

(d) To regulate and control the keeping or slaughtering of all kinds of animals.

(e) To regulate, control, and prohibit the accumulation of offal and all decaying vegetable substances.

(f) To prohibit and remove any offensive matter, or abate any nuisance in any public highway, road, street, avenue, alley, or other place, public or private, and to cause the removal at the expense of the owner.

(g) To compel the return of all births and deaths by physicians, midwives, nurses, and other persons professionally officiating at such death or birth.

(h) To regulate and control the method of construction, the location, the method or manner of emptying or cleaning, and the frequency of cleaning cesspools and privies.

(i) To regulate and control the mode of connection of house draining and plumbing, with outside sewers, cesspools, or other receptacles.

(j) To protect the public water supply and prevent the pollution of any stream of water or well, the water of which is used for domestic purposes, and to order not to be used or closed any well the water of which is polluted or detrimental to the public health.

(k) To regulate the burial and disinterment of human bodies.

10. The members of the board of health hereby created shall be elected or selected at a joint session of council, to be called and held as other joint meetings of council are called and held.

11. It shall be the duty of the said board immediately after its election and qualification to select some suitable and well-equipped person to be named as health officer for the city of Roanoke, whose duty it shall be to carry out the instructions of the board of health and the enforcement of such health regulations as may be adopted by the board and approved by the council, and health ordinances of the city, and perform all and such other duties as may from time to time be imposed upon the said health officer, or by the board of health, and to act as secretary of the board, keep all records, books, and papers necessary, and such as are required by the board of health or the city council, and to have charge of, supervise, and control all employees of the health department, selecting and employing all assistants and employees, the council fixing the salaries and wages to be paid such assistants and employees as it may from time to time authorize.

12. The person selected by the board of health as a proper person to fill the office of health officer shall be a well qualified, competent, and efficient physician, with good executive ability and acquainted with the latest, most modern sanitary methods, well versed in the science of sanitation and bacteriology. The said person shall be so selected by the board of health, shall have his name presented to council, at the earliest time practical, by the board for confirmation, and said health officer shall hold office for the term hereinafter mentioned, or until his successor shall be appointed and qualified, and shall receive such salary as the council may from time to time designate, which shall not be decreased during his incumbency, and furnished with such necessary equipments, office fixtures, etc., as may be requisite by the council for the performance of the duties of office.

13. The health officer shall have supervision of, and be responsible for, all garbage and street cleanings, and the sanitary inspector shall carry out the instructions of the health officer.

14. The health officer shall at all times have care and supervision of the health of the public-school buildings, and shall from time to time make such medical examinations of pupils as himself or the board of health may deem proper, and recommend to council from time to time such matters as may require attention from the standpoint of health, sanitation, or other matters, not at the time within his duties and powers, affecting the public schools.

15. The term of office of health officer shall be two years or until removed by the city council, which shall be upon the recommendation of the board of health, which may

be done for or without cause. The first term hereunder shall be for two years, commencing August 1, 1910, all succeeding terms to be two years, beginning August 1 of the year selected.

16. The board of health as now constituted is hereby abolished, to take effect on August 1, 1910, at which time the present board of health shall turn over to the board of health provided for herein all records, property, and papers belonging to the city in its possession.

17. The board of health shall have authority to call upon the city solicitor and city engineer for any information desired.

18. All ordinances and parts of ordinances in conflict herewith are hereby repealed.

19. This ordinance to be in effect on and after its passage. [Ordinance approved May 16, 1910.]

CHICOPEE, MASS.

GARBAGE, RUBBISH, AND ASHES—REMOVAL OF.

1. The board of health shall, at least once in each month, remove or require to be removed from the cellars and yards of dwellings, all rubbish, waste material, ashes, and decaying vegetable and animal matter which is collected or stored in such places. They may make contracts for the removal of such rubbish with the approval of the mayor, or if an appropriation be made therefor, said board of health may purchase teams and employ men and teams for that purpose; but no expense shall be incurred above the amount of the appropriation therefor. But this shall not prevent the removal of ashes and other waste material by the owner or occupant of the premises, if the premises are kept clean to the satisfaction of the agent of the board of health.

2. The board of health may make regulations and rules in reference to the accumulation of ashes, rubbish, and other material, the place and condition where the same may be temporarily kept or stored until removed, how they shall be left or prepared for removal, and times of removal.

3. Whoever obstructs any contractor or employee of the city in the removal of said materials, scatters the same about, or refuses to obey the rules and regulations of the board of health in reference to the accumulation or removal of ashes, rubbish, waste material, and decaying vegetable or animal matter, shall be punished by fine not exceeding \$20 and the agent of the board of health shall make all complaints. [Ordinance passed Dec. 19, 1910.]

FORT WAYNE, IND.

MEAT INSPECTION.

SECTION 1. No person slaughtering animals for human consumption, raised by such person, and which person is not regularly engaged in the business of conducting a slaughterhouse and is not regularly engaged in the business of selling the flesh of animals for human consumption, shall be required to obtain from the city of Fort Wayne a license to sell the flesh of such animals so raised by such person; but the flesh of such animal or animals, before being sold or offered for sale, shall first be brought to the south end of the city hall of said city and shall there be submitted to the board of health for inspection as to purity and sound condition.

SEC. 2. Any person, company, or corporation failing to comply with or violating any of the provisions of this ordinance shall, upon conviction, be fined in the sum of not less than \$25 nor more than \$100. [Ordinance passed Apr. 26, 1910.]

LYNN, MASS.

PROTECTION OF FOODSTUFFS.

No person shall offer or expose for sale any fruit, confectionery, or other substance or article intended for immediate consumption without the requirement of any preliminary process of cooking, unless the same shall have been covered and protected by glass or other material to prevent the deposit thereon of dust particles and noxious germs carried by the atmosphere. [Regulation, board of health, adopted Nov. 16, 1910.]

HOUSTON, TEX.

ICE CREAM—REGULATION OF THE MANUFACTURE.

SECTION 1. From and after the 25th day of July, 1910, it shall be unlawful for any person, firm, or corporation to manufacture in the city of Houston ice cream for the purposes of sale unless such person, firm, or corporation shall have the license here-

inafter described authorizing him to manufacture ice cream for the purposes of sale, and unless such person, firm, or corporation shall have the certificate of the health department of the city of Houston, hereinafter described, to the effect that said establishment is being conducted in accordance with the city ordinances.

Any person, firm, or corporation violating this section of this ordinance shall upon conviction thereof in the corporation court be subject to a fine of not less than \$50 nor more than \$200 for each offense, and it shall be a separate offense each day that ice cream is manufactured for sale or sold without such license or without such certificate of the health department.

SEC. 2. From and after July 25, 1910, it shall be unlawful for any person, firm, or corporation engaged in the manufacture of ice cream for purposes of sale to conduct said business unless the certificate of the health department, mentioned in the above section, is posted in the place of business where it can be plainly seen by every person coming to said place of business, and after the said date it shall be unlawful for any person to purchase ice cream from any establishment which is not duly licensed, as herein provided, by the city of Houston, or to purchase ice cream from any person who does not have posted conspicuously in a public place, where it can be plainly seen, the certificate of the health department provided for in this ordinance; and any person violating this section of this ordinance shall, upon conviction therefor in the corporation court, be fined in any sum not less than \$5 nor more than \$50 for each offense.

SEC. 3. Any person, firm, or corporation who desires to engage in the business of manufacturing ice cream for sale in the city of Houston, after July 25, 1910, must before engaging in said business apply to the city of Houston for an inspection of their premises and apparatus by the health department of the city of Houston, and for a permit to engage in said business before they shall commence the manufacture or sale of ice cream.

Upon said application being filed with the city secretary, the mayor or council shall cause the premises and apparatus where said business is proposed to be conducted to be thoroughly examined by the city health officer, and the said business and place of business shall come up to the following specifications with respect to the place of business; persons engaged in same and the mode of conducting same; and unless parties applying for the permit can show a strict compliance with the requirements of this ordinance, no permit to engage in said business shall be issued.

The said requirements, without which no permit shall issue, are as follows:

1. The ice-cream plant must be properly screened.
2. The floors, walls, and ceilings must be sanitary.
3. The water-closets and urinals must be separate from the plant.
4. The room used for mixing cream must be close-ceiled, properly ventilated, and screened, and with no unsanitary surroundings or neighborhood.
5. The utensils used in the manufacture or distribution of the cream must be of porcelain or granite ware and in good condition.
6. All labor employed in or about the said establishment and all persons engaged in said manufacture or sale must be cleanly both in person and attire.
7. Every person or employee connected with the business shall wear a suitable garb and be free from disease.
8. The cans must be sterilized at a temperature of 212° F., and for not less than 15 minutes, and a suitable room must be provided where sterilized cans can be kept where their sterility will be maintained.
9. No ice cream shall ever be returned or exchanged after once leaving the plant.
10. Aniline dyes must not be used, nor must same be found in the ice-cream plant.
11. No one, with the exception of the employees, shall be permitted in the plant, except on official business.
12. The ingredients that are used in the manufacture of the ice cream must be fresh and properly preserved, and under no circumstances shall decayed or overripe fruit ever be used in the manufacture of the cream.

In the event any person, firm, or corporation now engaged in the business of manufacturing ice cream for sale in the city of Houston fails to comply with these requirements, the city of Houston shall refund to such person, firm, or corporation such portion of any license fee paid to the city of Houston as the unexpired time of said old license after the date of July 25, 1910, bears to the time of said license already passed. But the city shall be under no obligation to refund such portion of license tax heretofore paid unless the party entitled thereto applies for same in writing, stating in such application that they have gone out of business.

In the event any person, firm, or corporation, who has complied with the requirements of this ordinance and received a permit or license to conduct the said business, should at any time thereafter violate or disregard any of the requirements above named, the city council shall have the right to cancel the license granted and require said

persons to discontinue business, and in addition to this remedy, if any person, firm, or corporation engaged in the business of manufacture of ice cream for the purposes of sale in the city of Houston, shall at any time neglect or violate any of the requirements or specifications above named, they shall for each offense, on conviction thereof in the corporation court, be punished by a fine of not less than \$10 nor more than \$200 for each offense, and in the event the business of the manufacture of cream is conducted by a corporation, then in such event in each case of violation of this ordinance, or any of its terms, it shall be a separate offense both in the corporation and the manager or person in charge of said business, and in the individual or individuals who are concerned in the violation thereof.

SEC. 4. Any person, firm, or corporation engaged in the manufacture of ice cream for purposes of sale in the city of Houston, after the 25th day of July, 1910, must on the first day of each month apply to the health department of the city of Houston for inspection of their premises and appliances, which inspection shall be made without delay by the health officer, or some person designated by him, and if said place and the conduct of said business is found by the health officer to be in accordance with the requirements of this ordinance, then the health officer shall issue to said person, firm, or corporation a printed certificate to the effect that the said business and place of business has been inspected by him, giving the date of such inspection, and that the said business is being conducted in accordance with the ordinances of the city of Houston, and it shall be unlawful for the person, firm, or corporation to conduct said business unless said certificate is issued by the said health officer and is posted in said establishment where it will be visible to every person entering the establishment; and the person engaged in such business shall pay for each certificate the sum of \$1.

SEC. 5. If any person, firm, or corporation engaged in the manufacture of ice cream, for purposes of sale in the city of Houston, shall manufacture ice cream, and if said ice cream shall cause any person or persons to be affected with ptomaine poisoning, then the manufacturer of such cream shall be guilty of an offense, and in such event it shall be a separate offense in the person, firm, or corporation manufacturing said cream for each person who is affected with ptomaine poisoning, and, upon conviction therefor in the corporation court, the person, firm, or corporation manufacturing said cream shall be punished by a fine of not less than \$50 nor more than \$200 for each person or individual so poisoned.

It shall be sufficient to sustain a conviction under this section of this ordinance to show that the defendant manufactured the ice cream, and that some individual or person upon eating same developed ptomaine poisoning, and the burden shall be upon the defendant to show that said ptomaine poisoning was due to the misuse or abuse of the cream by some third party after it left the establishment of the defendant, and if the defendant shall show that the poisoning of the person due to the act or neglect of some other person after the cream had left his establishment, and that the manufacture of the particular cream was conducted in all respects in strict accordance with the requirements of this ordinance, these facts, when so established, shall constitute a defense to the prosecution for causing ptomaine poisoning.

SEC. 6. This ordinance is intended to be supplementary to any ordinances on the subject matter heretofore passed by the city council. It is not intended to repeal ordinances prescribing the tax for persons engaged in the manufacture of ice cream. The purpose of this ordinance being for regulation and for the protection of the public.

SEC. 7. Whereas, there is a public emergency requiring that this ordinance shall be passed immediately, and the mayor, having in writing declared such emergency, and requested that this ordinance be passed finally on the date of its introduction, the rules are hereby accordingly suspended, and this ordinance shall take effect and be in full force and effect on and after this the day of its introduction and passage.

SEC. 8. The passage of this ordinance shall not have the effect to exempt or relieve any person from prosecution for violation of the city ordinance in existence at any time previous to July 25, 1910. [Ordinance approved June 23, 1910.]

PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRREL.

During the week ended March 25, 1911, the finding of 1 plague-infected ground squirrel was reported. The squirrel was found February 20 in Alameda County, Cal., at Walpert Land & Cattle Co.'s ranch, 8 miles southeast of Haywards.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities in California on San Francisco Bay 199 acres of land in Alameda County were covered with poison during the week ended March 25, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	308 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None recorded.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	None.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of the city of Oakland).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.....	Feb. 20, 1911.....	95 squirrels.
Contra Costa.....	July 21, 1908.....	None.....	Sept. 10, 1910.....	1 wood rat.
Merced.....	None recorded.....	do.....	June 6, 1910.....	247 squirrels.
Monterey.....	do.....	do.....	do.....	2 squirrels.
San Benito.....	June 5, 1910.....	do.....	July 11, 1910.....	4 squirrels.
San Joaquin.....	None recorded.....	do.....	Jan. 9, 1911.....	20 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	11 squirrels.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	1 squirrel.
Santa Cruz.....	None recorded.....	do.....	May 17, 1910.....	23 squirrels.
Stanislaus.....	do.....	do.....	May 21, 1910.....	3 squirrels.
Washington:				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	5 squirrels.
				22 rats.

Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Mar. 25.....		1 130	64	
Oakland.....	do.....	42	2 562	443	
San Francisco.....	do.....	39	1 500	1,013	
Counties—					
Alameda.....	do.....		1 11	11	
Los Angeles.....	do.....		1 1	1	
Merced.....	do.....		1 62	62	
Washington:					
Cities—					
Seattle.....	do.....		980	910	
Total.....		81	3,276	2,504	

¹ Identified, *Mus norvegicus* 74, *Mus musculus* 56.

² Identified, *Mus norvegicus* 497, *Mus musculus* 95.

³ Identified, *Mus norvegicus* 835, *Mus rattus* 139, *Mus musculus* 382, *Mus alexandrinus* 144.

⁴ Identified, *Mus norvegicus* 11.

⁵ Identified, *Mus norvegicus* 1.

⁶ Identified, *Mus norvegicus* 7, *Mus musculus* 55.

SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

Reports Received During Week Ended April 14, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Montgomery.....	Mar. 26-Apr. 1....	1		
California:				
Counties—				
Riverside.....	Feb. 1-28.....	6	1	
Santa Clara.....	Feb. 1-28.....	1		
Santa Cruz.....	Feb. 1-28.....	1		
San Diego.....	Feb. 1-28.....	1		
San Francisco.....	Feb. 1-28.....	1		
Total for State.....		10	1	
Florida:				
Counties—				
Alachua.....	Mar. 27-Apr. 1....	18		
Bradford.....	Mar. 27-Apr. 1....	3		
Duval.....	Mar. 27-Apr. 1....	26		
Escambia.....	Mar. 27-Apr. 1....	6		
Hamilton.....	Mar. 27-Apr. 1....	1		
Hillsboro.....	Mar. 27-Apr. 1....	14		
Jackson.....	Mar. 27-Apr. 1....	18		
Leon.....	Mar. 27-Apr. 1....	11		
Manatee.....	Mar. 27-Apr. 1....	1		
Polk.....	Mar. 27-Apr. 1....	13		
Total for State.....		111		
*Kentucky:				
Paducah.....	Mar. 26-Apr. 1....	3		
Louisiana:				
New Orleans.....	Mar. 19-Apr. 1....	24		
Ohio:				
Counties—				
Butler.....	Mar. 1-31.....	1		
Clark.....	Mar. 1-31.....	2		
Cuyahoga.....	Mar. 1-31.....	4		
Darke.....	Mar. 1-31.....	8		
Delaware.....	Mar. 1-31.....	1		
Hamilton.....	Mar. 1-31.....	9		
Lucas.....	Mar. 1-31.....	5		
Marion.....	Mar. 1-31.....	13		
Monroe.....	Mar. 1-31.....	1		
Scioto.....	Mar. 1-31.....	3		
Williams.....	Mar. 1-31.....	1		
Wood.....	Mar. 1-31.....	1		
Total for State.....		49		
*Tennessee:				
Chattanooga.....	Mar. 26-Apr. 1....	1		
Knoxville.....	Mar. 26-Apr. 1....	9		
Total for State.....		10		
Utah:				
Counties—				
Beaver.....	Feb. 1-28.....	12		
Box Elder.....	Feb. 1-28.....	20		
Cache.....	Feb. 1-28.....	3		
Iron.....	Feb. 1-28.....	4		
Jual.....	Feb. 1-28.....	2		
Millard.....	Feb. 1-28.....	14		
Rich.....	Feb. 1-28.....	13		
Salt Lake.....	Feb. 1-28.....	8		
San Pete.....	Feb. 1-28.....	4		
Sevier.....	Feb. 1-28.....	6		
Utah.....	Feb. 1-28.....	43		
Washington.....	Feb. 1-28.....	6		
Weber.....	Feb. 1-28.....	16		
Total for State.....		151		

These cases were erroneously noted in last week's report on page 459 as being for the period March 19 to 25.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Montgomery.....	Dec. 11-Mar. 25...	22		
California:				
Counties—				
Alameda.....	Dec. 1-31.....	3		
Imperial.....	Dec. 1-31.....	1		
Humboldt.....	Dec. 1-Jan. 31.....	2		
Kern.....	Dec. 1-31.....	1		
Los Angeles.....	Dec. 1-31.....	1		
Mariposa.....	Jan. 1-31.....	1		
Riverside.....	Jan. 1-31.....	1		
San Bernardino.....	Jan. 1-31.....	3		
San Diego.....	Dec. 1-Jan. 31.....	15	1	
San Francisco.....	Dec. 1-Jan. 31.....	10		
San Joaquin.....	Dec. 1-31.....	2		
Ventura.....	Jan. 1-31.....	9		
Total for State.....		49	1	
Colorado:				
Counties—				
Adams.....	Dec. 1-Jan. 31.....	6		
Arapahoe.....	Dec. 1-Jan. 31.....	15		
Archuleta.....	Dec. 1-Jan. 31.....	20		
Boulder.....	Dec. 1-Jan. 31.....	21		
Conejos.....	Dec. 1-31.....	2		
Costilla.....	Jan. 1-31.....	5		
Denver.....	Dec. 1-Jan. 31.....	152		
Eagle.....	Jan. 1-31.....	1		
El Paso.....	Dec. 1-31.....	1		
Fremont.....	Dec. 1-Jan. 31.....	8		
Garfield.....	Jan. 1-31.....	4		
Gilpin.....	Jan. 1-31.....	1		
Grand.....	Dec. 1-31.....	2		
Huerfano.....	Dec. 1-31.....	13		
Jefferson.....	Dec. 1-31.....	5		
Kit Carson.....	Jan. 1-31.....	1		
La Plata.....	Dec. 1-Jan. 31.....	14		
Larimer.....	Jan. 1-31.....	17		
Las Animas.....	Dec. 1-Jan. 31.....	37		
Mineral.....	Jan. 1-31.....	2		
Montezuma.....	Dec. 1-31.....	1		
Montrose.....	Jan. 1-31.....	2		
Morgan.....	Dec. 1-Jan. 31.....	33		
Pueblo.....	Dec. 1-31.....	3	1	
Rio Grande.....	Jan. 1-31.....	9		
Saguache.....	Dec. 1-31.....	3		
Teller.....	Jan. 1-31.....	1		
Total for State.....		379	1	
Connecticut.....	Dec. 1-Feb. 28.....			No cases.
District of Columbia.....	Jan. 15-Mar. 25.....	6		
Florida:				
Counties—				
Alachua.....	Dec. 18-Mar. 25.....	45	1	
Baker.....	Jan. 8-14.....	1		
Bradford.....	Jan. 16-Feb. 4.....	4		
Brevard.....	Feb. 19-25.....	5		
Calhoun.....	Jan. 29-Mar. 25.....	27		
Citrus.....	Jan. 8-Mar. 11.....	2		
Dade.....	Dec. 25-Feb. 18.....	3		
Duval.....	Jan. 1-Mar. 25.....	147	1	
Escambia.....	Jan. 1-Mar. 25.....	73		
Franklin.....	Jan. 8-Mar. 25.....	10		
Gadsden.....	Dec. 18-Mar. 18.....	64		
Hillsboro.....	Dec. 25-Mar. 25.....	88		
Jackson.....	Dec. 25-Mar. 18.....	98		
Fernando.....	Mar. 19-25.....	1		
Jefferson.....	Feb. 5-Mar. 18.....	3		
Lafayette.....	Jan. 16-Feb. 4.....	6		
Lake.....	Jan. 22-Mar. 18.....	10		
Lee.....	Jan. 8-Mar. 4.....	21		
Leon.....	Dec. 18-Mar. 18.....	92	1	
Levy.....	Jan. 29-Mar. 25.....	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Florida—Continued.				
Counties—Continued.				
Liberty.....	Feb. 26-Mar. 4.....	6	.....
Osceola.....	Mar. 19-25.....	2	.....
Madison.....	Dec. 18-Jan. 21.....	19	.....
Nassau.....	Jan. 16-21.....	2	.....
Orange.....	Jan. 16-21.....	1	.....
Osceola.....	Dec. 18-24.....	1	.....
Polk.....	Dec. 18-Mar. 25.....	86	.....
Putnam.....	Feb. 12-Mar. 25.....	8	.....
St. John.....	Jan. 22-Feb. 11.....	2	.....
Santa Rosa.....	Jan. 8-Feb. 25.....	34	.....
Suwanee.....	Jan. 16-21.....	1	.....
Taylor.....	Jan. 8-Feb. 4.....	140	.....
Volusia.....	Jan. 22-Mar. 4.....	14	.....
Walton.....	Dec. 25-Feb. 25.....	8	.....
Washington.....	Jan. 8-Mar. 18.....	6	.....
Total for State.....		1,033	3	
Illinois:				
Counties—				
Adams.....	Feb. 1-28.....	1	.....
Bond.....	Jan. 1-Feb. 28.....	2	.....
Carroll.....	Feb. 1-28.....	1	.....
Clay.....	Feb. 1-28.....	1	.....
Coles.....	Dec. 1-Feb. 28.....	10	.....
Cook, exclusive of Chicago.....	Dec. 1-Jan. 31.....	3	.....
Chicago.....	Dec. 1-Jan. 31.....	20	.....
Effingham.....	Dec. 31-Feb. 28.....	2	.....
Jasper.....	Dec. 1-31.....	4	.....
Jefferson.....	Dec. 1-31.....	4	.....
Kane.....	Dec. 1-Feb. 28.....	11	.....
McLean.....	Jan. 1-Feb. 28.....	18	.....
Macoupin.....	Feb. 1-28.....	1	.....
Madison.....	Dec. 1-Feb. 28.....	9	.....
Peoria.....	Dec. 1-Feb. 28.....	7	.....
Perry.....	Dec. 1-31.....	2	.....
Saline.....	Jan. 1-Feb. 28.....	8	.....
Stevenson.....	Jan. 1-31.....	3	.....
Union.....	Dec. 1-Feb. 28.....	17	.....
Vermilion.....	Jan. 1-Feb. 28.....	2	.....
Washington.....	Feb. 1-28.....	1	.....
Williamson.....	Jan. 1-31.....	1	.....
Total for State.....		128		
Indiana:				
Counties—				
Adams.....	Feb. 1-28.....	6	.....
Allen.....	Feb. 1-28.....	1	.....
Blackford.....	Feb. 1-28.....	3	.....
Cass.....	Jan. 1-Feb. 28.....	6	.....
Clay.....	Feb. 1-28.....	8	.....
Daviess.....	Feb. 1-28.....	1	.....
Decatur.....	Jan. 1-Feb. 28.....	3	.....
Dekalb.....	Dec. 1-Feb. 28.....	9	.....
Delaware.....	Feb. 1-28.....	6	.....
Elkhart.....	Dec. 1-31.....	5	.....
Greene.....	Feb. 1-28.....	1	.....
Howard.....	Dec. 1-31.....	1	.....
Huntington.....	Feb. 1-28.....	1	.....
Jennings.....	Jan. 1-31.....	6	.....
Knox.....	Dec. 1-Feb. 28.....	8	.....
Madison.....	Dec. 1-Feb. 28.....	168	.....
Marion.....	Jan. 1-31.....	1	.....
Montgomery.....	Dec. 1-Feb. 28.....	12	.....
Noble.....	Jan. 1-31.....	1	.....
Posey.....	Jan. 1-31.....	1	.....
St. Joseph.....	Feb. 1-28.....	1	.....
Steuben.....	Jan. 1-Feb. 28.....	7	.....
Vigo.....	Jan. 1-Feb. 28.....	22	.....
Wabash.....	Feb. 1-28.....	1	.....
Warren.....	Feb. 1-28.....	1	.....
Wayne.....	Jan. 1-Feb. 28.....	19	.....
Total for State.....		299		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Iowa:				
Counties—				
Benton.....	Jan. 1-Feb. 28....	2		
Black Hawk.....	Feb. 1-28.....	1		
Boone.....	Feb. 1-28.....	1		
Buena Vista.....	Dec. 1-31.....	1		
Dallas.....	Feb. 1-28.....	1		
Dubuque.....	Feb. 1-28.....	1		
Fremont.....	Feb. 1-28.....	7		
Guthrie.....	Jan. 1-Feb. 28....	4		
Hancock.....	Jan. 1-31.....	3		
Jefferson.....			1	Year 1910, in delinquent report received after Jan. 1, 1911.
Johnson.....	Jan. 1-31.....	1		
Lee.....	Dec. 1-31.....	1		
Linn.....	Dec. 1-Feb. 28....	58		
Lucas.....	Jan. 1-31.....	1		
Lyon.....	Dec. 1-31.....	3		
Mahaska.....	Feb. 1-28.....	1		
Marshall.....	Dec. 1-Jan. 31....	8		
Page.....	Dec. 1-Feb. 28....	34	1	
Polk.....	Dec. 1-Feb. 28....	10		
Pottawattamie.....	Jan. 1-Feb. 28....	9		
Scott.....	Dec. 1-Feb. 28....	7		
Sioux.....	Feb. 1-28.....	1		
Taylor.....	Dec. 1-31.....	64		
Union.....	Jan. 1-Feb. 28....	3		
Warren.....	Dec. 1-31.....	1		
Webster.....	Dec. 1-31.....	10		
Winnebago.....	Jan. 1-31.....	1		
Woodbury.....	Dec. 1-Feb. 28....	13		
Total for State.....		247	2	
Kansas:				
Counties—				
Pawnee.....	Nov. 1-30.....	1		
Reno.....	Nov. 1-30.....	1		
Allen.....	Dec. 1-Jan. 31....	6		
Anderson.....	Jan. 1-31.....	1		
Atchison.....	Dec. 1-31.....	4		
Brown.....	Dec. 1-Jan. 31....	44		
Butler.....	Dec. 1-Jan. 31....	2		
Cherokee.....	Dec. 1-Jan. 31....	6		
Clay.....	Dec. 1-Jan. 31....	7		
Decatur.....	Dec. 1-31.....	1		
Dickinson.....	Dec. 1-Jan. 31....	12		
Doniphan.....	Dec. 1-Jan. 31....	2		
Douglas.....	Jan. 1-31.....	1		
Harper.....	Jan. 1-31.....	5		
Jefferson.....	Dec. 1-31.....	1		
Jewell.....	Jan. 1-31.....	17		
Johnson.....	Dec. 1-31.....	4		
Kearny.....	Jan. 1-31.....	5		
Kingman.....	Dec. 1-31.....	1		
Leavenworth.....	Jan. 1-31.....	2		
Leavenworth.....	Dec. 1-31.....	2		
Lyon.....	Jan. 1-31.....	1		
Marion.....	Jan. 1-31.....	2		
Marshall.....	Dec. 1-Jan. 31....	112		
Montgomery.....	Dec. 1-Jan. 31....	5		
Morton.....	Jan. 1-31.....	8		
Nemaha.....	Dec. 1-31.....	1		
Norton.....	Jan. 1-31.....	1		
Osage.....	Dec. 1-31.....	1		
Pottawatomie.....	Jan. 1-31.....	9		
Reno.....	Dec. 1-31.....	1		
Riley.....	Jan. 1-31.....	8		
Rooks.....	Dec. 1-31.....	1	1	
Russell.....	Jan. 1-31.....	1		
Saline.....	Jan. 1-31.....	10		
Sedgwick.....	Jan. 1-31.....	1		
Shawnee.....	Dec. 1-Jan. 31....	5		
Sumner.....	Dec. 1-31.....	6		
Washington.....	Jan. 1-31.....	4		
Wyandotte, exclusive of Kansas City.....	Dec. 1-Jan. 31....	15		
Kansas City.....	Dec. 1-Jan. 31....	22		
Total for State.....		339	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
*Kentucky:				
Henderson.....	Feb. 22-28.....	4		
Lexington.....	Feb. 20-Mar. 18.....	2		
Paducah.....	Jan. 23-Mar. 25.....	24		
Total for State.....		30		
Louisiana:				
Parishes—				
Ascension.....	Dec. 1-31.....	1		
Calcasieu.....	Jan. 1-31.....	13	1	
East Baton Rouge.....	Dec. 1-31.....	25		
East Feliciana.....	Dec. 1-31.....	30		
Iberville.....	Dec. 1-31.....	6		
Lafourche.....	Jan. 1-31.....	16		
Orleans—				
New Orleans.....	Dec. 18-Mar. 18.....	153	1	
Rapides.....	Dec. 1-31.....	1		
St. Charles.....	Dec. 1-31.....	4		
St. John.....	Dec. 1-31.....	1		
Tangipahoa.....	Nov. 1-Dec. 31.....	22		
Tensas.....	Dec. 1-Jan. 31.....	20		
Washington.....	Dec. 1-Jan. 31.....	5		
Total for State.....		297	2	
Maine.....	Dec. 1-Feb. 28.....			No cases.
Maryland:				
Counties—				
Baltimore.....	Feb. 1-28.....	2		
Garrett.....	Jan. 1-Feb. 28.....	10		Dec. 1-31, no cases
Total for State.....		12		
Massachusetts.....	Nov. 1-Dec. 31.....			No cases.
Michigan:				
Counties—				
Alcona.....	Dec. 1-31.....	1		
Alger.....	Dec. 1-Feb. 28.....	2		
Alpena.....	Jan. 1-31.....	1		
Antrim.....	Jan. 1-31.....	1		
Arenac.....	Dec. 1-Jan. 31.....	7		
Bay.....	Dec. 1-Jan. 31.....	2		
Barry.....	Feb. 1-28.....	1		
Calhoun.....	Dec. 1-Feb. 28.....	17	1	
Cass.....	Feb. 1-28.....	2		
Charlevoix.....	Dec. 1-Feb. 28.....	24		
Cheboygan.....	Dec. 1-Feb. 28.....	30		
Clare.....	Jan. 1-31.....	8		
Clinton.....	Dec. 1-31.....	3		
Crawford.....	Dec. 1-Jan. 31.....	6		
Eaton.....	Dec. 1-Jan. 31.....	6		
Emmet.....	Jan. 1-Feb. 28.....	63		
Genesee.....	Dec. 1-Feb. 28.....	14	1	
Gladwin.....	Dec. 1-Feb. 28.....	4	1	
Grand Traverse.....	Dec. 1-31.....	1		
Gratiot.....	Dec. 1-Feb. 28.....	10		
Houghton.....	Feb. 1-28.....	5		
Huron.....	Jan. 1-31.....	8		
Ingham.....	Dec. 1-Feb. 28.....	3		
Ionia.....	Jan. 1-Feb. 28.....	19		
Isabella.....	Dec. 1-Feb. 28.....	14		
Kalamazoo.....	Dec. 1-Jan. 31.....	6		
Keweenaw.....	Dec. 1-Feb. 28.....	16		
Lake.....	Dec. 1-31.....	3		
Lapeer.....	Dec. 1-31.....	1		
Leelanau.....	Jan. 1-31.....	2		
Livingston.....	Feb. 1-28.....	1		
Mackinac.....	Feb. 1-28.....	4		
Macomb.....	Feb. 1-28.....	7		
Marquette.....	Dec. 1-Jan. 31.....	10		
Midland.....	Dec. 1-31.....	3		
Missaukee.....	Dec. 1-31.....	3		
Monroe.....	Dec. 1-31.....	2		
Muskegon.....	Jan. 1-31.....	1		
Newaygo.....	Jan. 1-31.....	3		
Presque Isle.....	Dec. 1-31.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Counties—Continued.				
Saginaw.....	Dec. 1-31.....	3	3	
Saline.....	Jan. 1-Feb. 28.....	8		
St. Clair.....	Dec. 1-Feb. 28.....	7		
Washtenaw.....	Dec. 1-Jan. 31.....	3		
Wayne.....	Dec. 1-31.....	1		
Wexford.....	Dec. 1-31.....	5		
Total for State.....		358	6	
Minnesota:				
Counties—				
Beltrami.....	Dec. 19-Feb. 13....	6		
Bigstone.....	Dec. 26-Jan. 1.....	1		
Blue Earth.....	Dec. 19-25.....	1		
Dakota.....	Feb. 1-27.....	1		
Douglas.....	Dec. 5-Jan. 1.....	3		
Fillmore.....	Nov. 27-Dec. 4.....	1		
Hennepin.....	Dec. 3-Feb. 20.....	53		
Itasca.....	Feb. 20-27.....	1		
Kandiyohi.....	Jan. 24-30.....	1		
Koochiching.....	Dec. 5-Feb. 13.....	12		
Lac qui Parle.....	Jan. 10-16.....	1		
Le Sueur.....	Dec. 26-Feb. 6.....	4		
Lyon.....	Feb. 14-20.....	7		
Murray.....	Jan. 17-Feb. 27.....	6		
Nobles.....	Dec. 5-Feb. 27.....	4		
Norman.....	Dec. 12-Feb. 27.....	23		
Olmsted.....	Jan. 10-Feb. 20.....	6		
Pipestone.....	Jan. 10-Feb. 20.....	6		
Pope.....	Jan. 3-9.....	3		
Ramsey.....	Dec. 5-Feb. 27.....	146		
Rice.....	Feb. 14-20.....	1		
Rock.....	Feb. 1-6.....	1		
St. Louis.....	Nov. 27-Feb. 20.....	9		
Sibley.....	Dec. 26-Jan. 16.....	2		
Todd.....	Dec. 5-Jan. 30.....	22		
Traverse.....	Feb. 1-6.....	1		
Wabasha.....	Dec. 26-Jan. 1.....	1		
Wadena.....	Dec. 26-Jan. 2.....	2		
Washington.....	Feb. 7-20.....	2		
Winona.....	Jan. 17-23.....	1		
Total for State.....		328		
*Mississippi:				
Biloxi.....	Mar. 13.....			Present.
*Missouri:				
Kansas City.....	Nov. 1-Jan. 31.....	119		
St. Joseph.....	Feb. 5-18.....	16		
St. Louis.....	Dec. 18-Mar. 25.....	47	1	
Springfield.....	Feb. 5-11.....	10		
Total for State.....		192	1	
Montana:				
Counties—				
Beaverhead.....	Jan. 1-28.....	3		
Cascade.....	Dec. 1-28.....	14		
Chouteau.....	Jan. 1-28.....	8		
Custer.....	Dec. 1-Jan. 3.....	2		
Dawson.....	Nov. 1-28.....	5		
Deer Lodge.....	Nov. 1-28.....	16	1	
Gallatin.....	Feb. 1-28.....	1		
Jefferson.....	Feb. 1-28.....	1		
Lewis and Clark.....	Feb. 1-28.....	1		
Missoula.....	Jan. 1-31.....	2		
Powell.....	Jan. 1-31.....	1		
Ravalli.....	Dec. 1-28.....	5		
Silver Bow, exclusive of Butte.....	Nov. 1-28.....	32		
Butte.....	Nov. 1-28.....	54		
Teton.....	Jan. 1-28.....	7		
Total for State.....		152	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
*Nebraska:				
Lincoln.....	Dec. 1-Jan. 31.....	31		
South Omaha.....	Jan. 1-Feb. 28.....	10		
Total for State.....		41		
New Jersey:				
Counties—				
Bergen.....	Dec. 1-31.....	2		
Middlesex.....	Jan. 1-31.....	1		
Salem.....	Jan. 1-Feb. 28.....	27		
Total for State.....		30		
New York:				
Counties—				
Allegany.....	Nov. 1-30.....	1		
Chautauqua.....	Jan. 1-31.....	4		
Columbia.....	Jan. 1-31.....	1		
Niagara.....	Dec. 1-Jan. 31.....	2		
Onondaga.....	Jan. 1-31.....	1		
St. Lawrence.....	Feb. 1-28.....	4		
Steuben.....	Feb. 1-28.....	1		
Tioga.....	Dec. 1-31.....	1		
Tompkins.....	Nov. 1-30.....	1		
Total for State.....		16		
North Carolina:				
Counties—				
Alamance.....	Jan. 1-Feb. 28.....	11		
Beaufort.....	Dec. 1-Feb. 28.....	39		
Bertie.....	Jan. 1-Feb. 28.....	2		
Bladen.....	Nov. 1-Feb. 28.....	113		Feb. 1-28, present.
Brunswick.....	Dec. 1-Jan. 31.....	49		
Burke.....	Jan. 1-Feb. 28.....	2		
Carteret.....	Nov. 1-Jan. 31.....	4		
Caswell.....	Jan. 1-31.....	9		
Chatham.....	Dec. 1-Feb. 28.....	64		
Cherokee.....	Feb. 1-28.....	15		Present.
Cleveland.....	Jan. 1-31.....	75		
Columbus.....	Nov. 1-Feb. 28.....	4		
Craven.....	Jan. 1-Feb. 28.....	56		
Cumberland.....	Nov. 1-Feb. 28.....	2		
Currituck.....	Jan. 1-31.....	30		
Duplin.....	Dec. 1-Feb. 28.....	490		
Durham.....	Nov. 1-Feb. 28.....	7		
Edgecombe.....	Nov. 4-Jan. 31.....	1		
Franklin.....	Nov. 1-30.....	28		
Granville.....	Dec. 1-Feb. 28.....	29		
Henderson.....	Dec. 1-Feb. 28.....	1		
Hertford.....	Dec. 1-31.....	6		Jan. 1-31, present.
Johnston.....	Dec. 1-Feb. 28.....	6		
Jones.....	Jan. 1-31.....	8		
Lee.....	Dec. 1-Feb. 28.....	2		
Lenoir.....	Jan. 1-31.....	17		
Martin.....	Nov. 1-Dec. 31.....	7		
Mecklenburg.....	Jan. 1-Feb. 28.....	6		
Nash.....	Nov. 1-30.....	669		
New Hanover.....	Nov. 1-Feb. 28.....	12		
Northampton.....	Jan. 1-31.....	70		
Onslow.....	Dec. 1-Feb. 28.....	12		Feb. 1-28, present.
Orange.....	Jan. 1-31.....	1		
Pasquotank.....	Nov. 1-30.....	127		Do.
Pender.....	Nov. 1-Jan. 31.....	2		
Person.....	Jan. 1-Feb. 28.....	34		
Pitt.....	Nov. 1-Feb. 28.....	160		Do.
Robeson.....	Nov. 1-Jan. 31.....	5		
Rowan.....	Dec. 1-Feb. 28.....	1		
Rutherford.....	Feb. 1-28.....	33		
Sampson.....	Dec. 1-Feb. 28.....	6		
Scotland.....	Feb. 1-28.....	6		
Union.....	Nov. 1-Feb. 28.....	28		
Vance.....	Jan. 1-Feb. 28.....	48		
Wake.....	Nov. 1-Feb. 28.....	2		
Washington.....	Jan. 1-31.....	1		
Watauga.....	Feb. 1-28.....	14		
Wayne.....	Dec. 1-Feb. 28.....	2		
Wilkes.....	Jan. 1-Feb. 28.....			
Total for State.....		2,316		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Dakota:				
Counties—				
Billings.....	Jan. 1-Feb. 28.....	22		
Cass.....	Dec. 1-31.....	1		
Grand Forks.....	Jan. 1-31.....	1		
Lamoure.....	Feb. 1-28.....	6		
McIntosh.....	Jan. 1-Feb. 28.....	2		
Morton.....	Dec. 1-31.....	1		
Ramsey.....	Jan. 1-31.....	1		
Steele.....	Dec. 1-Jan. 31.....	19		
Stutsman.....	Jan. 1-Feb. 28.....	17		
Total for State.....		70		
Ohio:				
Counties—				
Ashland.....	Jan. 1-Feb. 28.....	2		
Clark.....	Jan. 1-Feb. 28.....	51	1	
Delaware.....	Feb. 1-28.....	1		
Franklin.....	Dec. 1-Feb. 28.....	12		
Fulton.....	Jan. 1-31.....	4		
Hamilton.....	Dec. 1-Feb. 28.....	6		
Lorain.....	Dec. 1-31.....	2		
Miami.....	Feb. 1-28.....	1		
Montgomery.....	Jan. 1-Feb. 28.....	2		
Portage.....	Dec. 1-31.....	1		
Ross.....	Jan. 1-31.....	1		
Williams.....	Jan. 1-31.....	3		
Total for State.....		86	1	
Oklahoma:				
Counties—				
Adair.....	Nov. 1-30.....	1		
Atoka.....	Dec. 1-Feb. 28.....	2		
Beckham.....	Nov. 1-Feb. 28.....	70		
Blaine.....	Nov. 1-Feb. 28.....	19		
Bryan.....	Nov. 1-Feb. 28.....	18		
Caddo.....	Nov. 1-Feb. 28.....	27		
Canadian.....	Nov. 1-Jan. 31.....	34		
Cherokee.....	Jan. 1-Feb. 28.....	4		
Choctaw.....	Jan. 1-31.....	14		
Cleveland.....	Feb. 1-28.....	3		
Coal.....	Feb. 1-28.....	20	1	
Comanche.....	Jan. 1-Feb. 28.....	5		
Custer.....	Dec. 1-Jan. 31.....	9		
Garfield.....	Dec. 1-Feb. 28.....	2		
Choctaw.....	Feb. 1-28.....	5		
Grady.....	Nov. 1-Feb. 28.....	7	1	
Green.....	Nov. 1-30.....	1		
Hughes.....	Nov. 1-Feb. 28.....	43		
Jackson.....	Jan. 1-Feb. 28.....	63		
Johnston.....	Jan. 1-31.....	1		
Kay.....	Dec. 1-31.....	1		
Kingsfisher.....	Feb. 1-28.....	2		
Kiowa.....	Feb. 1-28.....	2		
Lattimer.....	Dec. 1-31.....	1		
Lincoln.....	Jan. 1-Feb. 28.....	53		
McCurtain.....	Jan. 1-Feb. 28.....	35		
McIntosh.....	Nov. 1-Dec. 31.....	12		
Major.....	Dec. 1-31.....	4		
Marshall.....	Nov. 1-30.....	8		
Muskogee.....	Feb. 1-28.....	1		
Nowata.....	Jan. 1-31.....	9		
Okfuskee.....	Jan. 1-Feb. 28.....	6		
Oklahoma.....	Dec. 1-Feb. 28.....	20		
Okmulgee.....	Jan. 1-Feb. 28.....	19		
Osage.....	Dec. 1-Jan. 31.....	3		
Payne.....	Feb. 1-28.....	3		
Pittsburg.....	Dec. 1-Feb. 28.....	4		
Pontotoc.....	Jan. 1-Feb. 28.....	3		
Pottawatomie.....	Jan. 1-31.....	6		
Seminole.....	Dec. 1-Jan. 31.....	9		
Stephens.....	Dec. 1-31.....	1		
Tulsa.....	Nov. 1-Jan. 31.....	3		
Washington.....	Dec. 1-Feb. 28.....	2		
Washita.....	Nov. 1-Feb. 28.....	12		
Woods.....	Dec. 1-Jan. 31.....	11		
Total for State.....		578	2	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
Oregon:				
Counties—				
Benton.....	Dec. 1-31.....	1		
Marion.....	Dec. 1-31.....	9	4	
Multnomah.....	Oct. 1-Nov. 30.....	8		
Polk.....	Nov. 1-30.....	1		
Umatilla.....	Dec. 1-31.....	1		
Total for State.....		20	4	
Pennsylvania, entire State.....				
	Oct. 1-31.....			No cases.
	Nov. 1-Jan. 31.....	18	1	
* South Carolina:				
Camden.....	Jan. 15-21.....	1		
Charleston.....	Feb. 1-28.....	1		
Seven Mile.....	Mar. 1.....	9	1	
Total for State.....		11	1	
* Tennessee:				
Counties—				
Davidson—				
Nashville.....	Jan. 8-Mar. 18.....	6		
Hamilton—				
Chattanooga.....	Jan. 1-Feb. 18.....	7	1	
Knox—				
Knoxville.....	Jan. 22-Mar. 25.....	36		
Shelby.....	Nov. 1-Dec. 31.....	254	2	
Total for State.....		303	3	
Texas:				
Counties—				
Bell.....	Feb. 1-28.....	1		
Cameron.....	Nov. 1-Feb. 28.....	68		
Cherokee.....	Jan. 1-Feb. 28.....	4		
Collin.....	Jan. 1-31.....	20		
Dallas.....	Dec. 1-31.....	24		
Dewitt.....	Feb. 1-28.....	4		
El Paso.....	Jan. 1-Feb. 28.....	48	3	
Grimes.....	Nov. 1-30.....	4		
Guadalupe.....	Jan. 1-31.....	5	2	
Henderson.....	Nov. 1-Feb. 28.....	15		
Hidalgo.....	Dec. 1-31.....	1		
Jones.....	Jan. 1-31.....	3		
McLennan.....	Nov. 1-Feb. 28.....	11		
Waco.....	Jan. 1-31.....	7		
Marion.....	Dec. 1-Feb. 28.....	18		
Matagorda.....	Jan. 1-31.....	5		
Nueces.....	Jan. 1-Feb. 28.....	4		
Orange.....	Jan. 1-Feb. 28.....	9		
Runnels.....	Jan. 1-31.....	1		
Swisher.....	Dec. 1-31.....	2		
Tarrant.....	Dec. 1-Feb. 28.....	9		
Taylor.....	Jan. 1-31.....	1		
Uvalde.....	Jan. 1-31.....	1		
Van Zant.....	Feb. 1-28.....	1		
Wills Point.....	Nov. 1-Jan. 31.....	8	1	
Total for State.....		274	6	
Utah:				
Counties—				
Beaver.....	Nov. 1-Jan. 31.....	106		
Boxelder.....	Jan. 1-31.....	20		
Cache.....	Nov. 1-30.....	8		
Davis.....	Dec. 1-Jan. 31.....	4		
Iron.....	Nov. 1-Jan. 31.....	79		
Juab.....	Nov. 1-Jan. 31.....	8		
Millard.....	Nov. 1-Jan. 31.....	36		
Plute.....	Jan. 1-31.....	14		
Salt Lake.....	Nov. 1-Jan. 31.....	67		
Sanpete.....	Dec. 1-31.....	1		
Sevier.....	Dec. 1-31.....	30		
Utah.....	Jan. 1-31.....	22		
Washington.....	Nov. 1-Jan. 31.....	49		
Weber.....	Nov. 1-Jan. 31.....	19		
Total for State.....		463		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
Virginia:				
Counties—				
Appomattox.....	Jan. 1-31.....	3		
Alexandria.....	Jan. 1-31.....	5		
Culpeper.....	Jan. 1-Feb. 28.....	4		
Dinwiddie.....	Jan. 1-31.....	1		
Fairfax.....	Jan. 1-Feb. 28.....	3		
Fauquier.....	Jan. 1-Feb. 28.....	42		
Frederick.....	Jan. 1-31.....	4		
Lee.....	Jan. 1-Feb. 28.....	270		
Loudoun.....	Jan. 1-Feb. 28.....	7		
Lunenburg.....	Jan. 1-31.....	8		
Nansemond.....	Jan. 1-31.....	4		
Prince William.....	Feb. 1-28.....	2		
Roanoke.....	Jan. 1-31.....	1		
Southampton.....	Jan. 1-31.....	1		
Stafford.....	Jan. 1-31.....	10		
Wise.....	Jan. 1-31.....	7		
Total for State.....		372		
Washington:				
Counties—				
Chelan.....	Jan. 1-31.....	1		
Challam.....	Jan. 1-31.....	12		
Ferry.....	Jan. 1-31.....	1		
King.....	Dec. 1-Jan. 31.....	43		
Pacific.....	Jan. 1-31.....	1		
Pierce.....	Dec. 1-Jan. 31.....	9		
Skagit.....	Nov. 1-Jan. 31.....	105		
Snohomish.....	Dec. 1-Jan. 31.....	10		
Spokane.....	Nov. 1-Jan. 31.....	3		
Stevens.....	Dec. 1-31.....	1		
Walla Walla.....	Jan. 1-31.....	1		
Whatcom.....	Jan. 1-31.....	21		
Yakima.....	Jan. 1-31.....	1		
Total for State.....		209		
Wisconsin:				
Counties—				
Ashland.....	Jan. 1-Feb. 28.....	6		
Barron.....	Jan. 1-31.....	3		
Buffalo.....	Feb. 1-28.....	1		
Chippewa.....	Dec. 1-Feb. 28.....	6		
Dane.....	Jan. 1-31.....	2		
Douglas.....	Feb. 1-28.....	1		
Dunn.....	Dec. 1-Feb. 28.....	13		
Eau Claire.....	Feb. 1-28.....	4		
Green.....	Jan. 1-31.....	2		
Iowa.....	Dec. 1-Feb. 28.....	46		
Jefferson.....	Dec. 1-Jan. 31.....	10		
Lafayette.....	Dec. 1-Feb. 28.....	11		
La Crosse.....	Dec. 1-Feb. 28.....	4		
Lincoln.....	Feb. 1-28.....	1		
Milwaukee.....	Dec. 1-Feb. 28.....	10		
Oneida.....	Dec. 1-Feb. 28.....	5		
Pierce.....	Feb. 1-28.....	1		
St. Croix.....	Dec. 1-Feb. 28.....	7		
Vernon.....	Jan. 1-Feb. 28.....	10		
Vilas.....	Dec. 1-31.....	1		
Walworth.....	Jan. 1-31.....	1		
Washington.....	Dec. 1-31.....	1		
Total for State.....		146		
Grand total for the United States.....		8,824	36	

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES,
FOR WEEK ENDED MARCH 25, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md.	558,485	231	16	1	193	6	25	2			37	27	9	
Boston, Mass.	670,585	272	40	3	168		48	3			90	24	10	3
Chicago, Ill.	2,185,283	733	131	24	280	3	211	12			146	80	11	3
Cleveland, Ohio.	560,663	156	23	1	96	2	123	6			32	19	6	
New York, N. Y.	4,766,883	1,706	316	29	675	19	627	23	1		598	205	28	7
Philadelphia, Pa.	1,549,008	656	80	14	637	8	45	5			94	70	20	4
St. Louis, Mo.	687,029	234	46	3	494	5	95	7	21		44	30		1
Cities having from 300,000 to 500,000 inhabitants.														
Buffalo, N. Y.	423,715	165	26	2	6	1	28	6			41	10	14	2
Cincinnati, Ohio.	364,463		15	1	9		46	1	1		31	18	3	
Detroit, Mich.	465,766	144	32	4			25		1		3	7	6	1
Los Angeles, Cal.	319,198		6		29		9				8	19	2	1
Milwaukee, Wis.	373,857	113	16	1	15		49				17	9	10	3
Newark, N. J.	347,469	101	27	1			37	2			25	11	1	
New Orleans, La.	339,075	140	10	1	107		16		15		35	24	2	4
San Francisco, Cal.	416,912	103	2		30		21				20	12	4	1
Washington, D. C.	331,069	122	5	1	83	1	8	1	1		34	19	5	1
Cities having from 200,000 to 300,000 inhabitants.														
Denver, Colo.	213,381		13	1	301	3	11		17			10		
Jersey City, N. J.	267,779	107				3		1				9		
Providence, R. I.	224,326	89	17	1	3		16				4	10		
Seattle, Wash.	237,194	61	4		108		15		6		4	9	3	1
Cities having from 100,000 to 200,000 inhabitants.														
Bridgeport, Conn.	102,054	27	5		2		1				8	4		
Cambridge, Mass.	104,839	37	6		28	1	7				8	4		
Columbus, Ohio.	181,548	62	2		20		5				3	7	3	
Dayton, Ohio.	116,577	26	1		1							3	1	
Fall River, Mass.	119,295				35	5	2				6	3	1	
Grand Rapids, Mich.	112,571	52			74	1	15				5	6	22	2
Lowell, Mass.	106,294	43	3		1		4				4	2		
Nashville, Tenn.	110,364	45			17	3	1				3	4	2	1
Spokane, Wash.	104,402	19			35		2				1	4		
Toledo, Ohio.	168,497	55	7	3	4		2		2			5		1
Worcester, Mass.	145,986	54	3		6	1	7				2	4		
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa.	52,127	11	3											
Bayonne, N. J.	55,545		8		41			1			6			
Brockton, Mass.	56,878	12			2		3							
Camden, N. J.	94,538		6	1	2		2				1			
Canton, Ohio.	50,217	13					3					2		
Des Moines, Iowa.	86,368		2				4		3					
Duluth, Minn.	78,466		3		8		5				6	5		
Elizabeth, N. J.	73,409	24	4		1		11				7	5	23	2
Erie, Pa.	66,525	24	6				5					2	4	
Evansville, Ind.	69,647	23	1		101	3					2	5		
Harrisburg, Pa.	64,186	5	5				3				9	2	1	
Hartford, Conn.	98,915	44	8		3		18	1			1	2		
Hoboken, N. J.	70,324		4	1	2	1								
Houston, Tex.	78,800	30	1				1					6		1
Jacksonville, Fla.	57,099	28			22		6		11			2	2	1
Johnstown, Pa.	55,482	18	1			1					1			
Kansas City, Kans.	82,331	31	2		9		6		2		2	3		1
Lawrence, Mass.	85,892	21	3		17	1	2				6	2		
Lynn, Mass.	89,336	30			28		6	1			8	3	1	
Manchester, N. H.	70,063	31	1		5		1				1	1		

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended
March 25—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths, from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having less than 25,000 inhabitants.</i>														
Ann Arbor, Mich.....	14,817	15			15						1	2		
Ashtabula, Ohio.....	18,266	7												
Beaver Falls, Pa.....	12,191				6		1						2	
Bennington, Vt.....	8,698	4												
Biddeford, Me.....	17,079	3												
Braddock, Pa.....	19,357	7			21		2	1						
Butler, Pa.....	20,728	4	2		2									
Cambridge, Ohio.....	11,327	3					1				1			
Camden, S. C.....		1					1							
Carbondale, Pa.....	17,040	3					3							
Clinton, Mass.....	13,075	3												
Coffeyville, Kans.....	12,687	3			2				1		1			
Columbus, Ga.....	20,554	9												
Columbus, Ind.....		3												
Concord, N. H.....	21,497	7	1									2		
Cumberland, Md.....	21,839	7	2									1	2	1
Dunkirk, N. Y.....		7					3				1		4	
Freeport, Ill.....	17,567	8					2					1		
Galesburg, Ill.....	22,089	3	1											
Gloucester, Mass.....	24,398	4												
Greensboro, N. C.....	15,895	9					1					3		
Harrison, N. J.....	14,498	5	1								1	2		
Homestead, Pa.....	18,713	6	1		2									
Hyde Park, Mass.....	15,507	2												
Kearny, N. J.....	18,659	4	2				1							
Kokomo, Ind.....	17,010	10	1		10				1					
La Fayette, Ind.....	20,081	5			1									
Lebanon, Pa.....	19,240	5												2
Manitowoc, Wis.....	13,027	6			2									
Marinette, Wis.....	14,610	3					3							
Marlboro, Mass.....	14,579	5					1				1			
Massillon, Ohio.....	13,879	4	3		6		1					1		
Medford, Mass.....	23,150	6	1		4		1				1			
Melrose, Mass.....	15,715	1	1				2				1		1	
Moline, Ill.....	24,199	10	1		20		3							
Montclair, N. J.....	21,550	5												
Nanticoke, Pa.....	18,877	3					1							
Newburyport, Mass.....	14,949	6					1					1		
North Adams, Mass.....	22,019	11	1		1						1			
Northampton, Mass.....	19,431	8	1									2		
Ottumwa, Iowa.....	22,012	9										1		
Paducah, Ky.....	22,760	13			10				1					
Palmer, Mass.....		3												
Peekskill, N. Y.....		4			6		4							
Plainfield, N. J.....	20,550	10	1				1				2	2	1	
Portsmouth, N. H.....	11,209		2		43						2	2		
Pottstown, Pa.....	15,599	5					2							
Rock Island, Ill.....			1	1	4		1						17	5
Rutland, Vt.....	13,546													
Saratoga Springs, N. Y.....		5									1	1		
South Bethlehem, Pa.....	19,973	9	2		1						1	1		
Steelton, Pa.....	14,246	12	2		2		1				6			
Warren, Ohio.....	11,081													
Warren, Pa.....	11,080	2												
Wilkesburg, Pa.....	18,924	6			1						3	1		1
Woburn, Mass.....	15,308		2				1				1			

**STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES
AND CITIES OF THE UNITED STATES (untabulated).**

CONNECTICUT—*Stamford*.—Month of March, 1911. Population, 25,138. Total number of deaths from all causes 68. Cases reported: Diphtheria 6, measles 26, scarlet fever 2, tuberculosis 2, typhoid fever 1.

FLORIDA.—Week ended March 25, 1911. Reports from the State board of health show diphtheria present in 2 localities with 3 cases, smallpox in 11 counties with 79 cases, malaria in 4 localities with 30 cases, tuberculosis in 4 localities with 8 cases, typhoid fever in 4 localities with 5 cases.

IOWA.—Month of February, 1911. Population, 2,224,771. Total number of deaths from all causes 2,088, including diphtheria 24, measles 21, scarlet fever 12, tuberculosis 131, typhoid fever 25.

MARYLAND.—Month of January, 1911. Population, 1,295,346. Total number of deaths from all causes 966, including diphtheria 17, measles 2, scarlet fever 3, tuberculosis 87, typhoid fever 19. Cases reported: Diphtheria 92, measles 135, scarlet fever 91, typhoid fever 73.

NEW JERSEY.—Month ended March 10, 1911. Population, 2,537,167. Total number of deaths from all causes 3,231, including diphtheria 56, measles 36, scarlet fever 23, tuberculosis 400, typhoid fever 27.

NEW YORK—*Rochester*.—Month of February, 1911. Population, 218,149. Total number of deaths from all causes 291, including diphtheria 3, scarlet fever 6, tuberculosis 35, typhoid fever 1. Cases reported: Diphtheria 23, measles 8, scarlet fever 159, tuberculosis, pulmonary, 29, typhoid fever 11.

TEXAS.—Month of January, 1911. Population, 3,896,542. Total number of deaths from all causes 2,514, including diphtheria 36, measles 12, scarlet fever 12, smallpox 4, tuberculosis 294, typhoid fever 52.

FOREIGN AND INSULAR.

AUSTRALIA.

SYDNEY—Examination of Rats for Plague Infection.

The following information was taken from bulletins issued by the department of health of New South Wales:

During the month of February, 1911, there were destroyed 5,580 rats, of which 1,745 were examined for plague infection. No plague-infected rats were found.

CANADA.

FORT WILLIAM—Smallpox Outbreak.

The American consul general at Winnipeg reported April 6 an outbreak of smallpox at Fort William, Ontario, which is assuming epidemic form.

CHINA.

AMOY—Plague in Vicinity.

Acting Asst. Surg. Bonthius reports February 27 the appearance of plague in the vicinity of Amoy.

HARBIN—Status of Plague—Plague Conference.

Consul Greene reports March 7:

During the week ended March 4, the mortality from plague in Harbin and Fuchiatien continued to show a decline, the average number of deaths per day being 7.1 in Harbin and 1.8 in Fuchiatien, as compared with 11.9 and 8.7, respectively, in the previous week. On March 5 there were no deaths in Fuchiatien, and no plague cases were left in the hospitals.

The deaths for the week according to the Chinese and Russian official returns were as follows:

	Feb. 26 to Mar. 4, 1911.	Total since beginning Nov. 8, 1910.
Harbin.....	139	1,508
Bodies found outside city.....	11	
Fuchiatien.....	13	5,146
Total.....	63	6,654

13 Europeans.

240 Europeans.

This is the corrected total according to the Chinese official figures. A large number of infected houses have already been burned by the Chinese authorities. The number of bodies burned at Fuchiatien up to February 22, 1911, was 4,606.

There is still no reliable news from neighboring cities, though it is generally believed that the mortality is diminishing in most cases.

Aigun and Taiheiho, which are situated opposite Blagovestchensk, are reported to be still free from plague, but the Russian authorities on the northern bank of the Amur are maintaining a very strict quarantine against persons from the Chinese side. Absolutely no communication is allowed, and it is stated that 2,500 Chinese residents of Blagovestchensk have been expelled on account of the fear that plague might find a foothold among them. Ninguta is also reported to be now free from plague.

On the whole, therefore, the regions bordering on the Russian Provinces are in a comparatively satisfactory condition.

The commissioner of Chinese customs at Harbin is preparing to establish quarantine stations at various places along the Russo-Chinese border, but has not yet succeeded in finding suitable physicians to undertake the work. The most important point at present would seem to be Aigun, where it is proposed to establish an inspection station at a pass about 50 miles from the river. On account of the nature of the country on either side it is thought that travelers will prefer to submit to a medical examination there rather than make the long and difficult detour which would be necessary to evade it.

Resolutions of the Irkutsk Plague Conference.

Consul Greene further reported March 10:

The Irkutsk plague conference met February 20-27 to discuss the precautionary measures which should be taken on account of the plague epidemic in Manchuria. The conference was attended by representatives from the Amur Provinces, the Trans-Baikal and Irkutsk Provinces, the Chinese Eastern Railway, and other interested bodies, such as the immigration bureau.

RESOLUTIONS OF THE IRKUTSK PLAGUE CONFERENCE.

GENERAL RULES.

1. All persons from infected places, including Chinese laborers, shall only be allowed to enter the Russian Empire through observation stations.
2. At these stations Chinese shall be subjected to 5 days' quarantine, exceptions for certain Chinese officials being made only by special permission of the sanitary commission. Other persons will be passed after a medical examination, if the presence of sick persons among them does not make other measures necessary.
3. Chinese laborers who have passed the quarantine should have cords fastened around their wrists with a lead seal, in accordance with the practice already enforced in certain infected places, and all persons should be warned not to employ strange Chinese who are not provided with such tokens. Chinese merchants and others belonging to the privileged classes should have a note made on their passports certifying that they have passed the quarantine.
4. Convicts should be removed from infected regions. The movement of emigrant trains should be allowed upon observance of the measures set forth below.
5. Merchandise from infected places may be admitted in accordance with existing rules. Beans and grain should only be imported in new bags. Tarabagan skins should be disinfected unless it is positively shown by a consular certificate that they are from an uninfected region.
6. Letters and parcels from infected places should be dispatched, the letters and outer coverings of parcels at the places from which they are dispatched, and the contents of parcels at the frontier stations.
7. Currency sent from infected places or issued by official and public institutions in such places should be disinfected, except when exemption is specially granted by the sanitary commission.
8. The general rule is established that Chinese dying of the plague should be cremated.

MEASURES TO BE TAKEN ON RAILWAYS.

9. Quarantine stations to enforce the above measures should be established at the Chinese Eastern Railway's frontier stations.

10. Every passenger train should have attached to it an extra car in which passengers coming into contact with a sick person can be isolated. The patient should be left in the car in which he was found.

11. The number of passengers allowed to travel in third and fourth class cars should be reduced while the epidemic is prevailing.

12. Every passenger train should be accompanied by a physician, or a fourth-year medical student, or a medical assistant, who should not combine his medical functions with those of a conductor on the train.

13. In Manchuria Chinese passengers should not be allowed to board trains at stations where there are no doctors.

14. In other respects existing rules should be enforced.

15. Until the quarantine stations are ready the measures adopted by the Chinese Eastern Railway should continue in force.

16. In places that are infected or threatened with infection the railways are responsible for the care of passengers taken sick with the plague, as well as suspicious cases, and persons coming into contact with the same, in accordance with paragraph 11 of the existing rules for railway employees.

17. On the same grounds the railway is responsible for the care of the population of the railway lands and of persons living within the jurisdiction of the railway gendarmerie. This does not apply to the Chinese Eastern Railway, the relations of which to the settlements are determined by its charter.

MEASURES TO BE TAKEN ON WATERWAYS.

18. Medical inspection stations for the supervision of vessels on the Amur should be established at the following points: (1) At Stretensk; (2) near Pokrofskaya, opposite the mouth of the Aigun; (3) near Blagovestchensk; (4) near Ekaterina-Nikolskaya; (5) near Mihailovo-Semenofskaya, opposite the mouth of the Sungari; (6) near Habarovsk, at the mouth of the Ussuri; (7) at Nikolsk (probably Nikolskaya); (8) at Jalinda; (9) at Chernyaeva; (10) at Pashkovaya, on the Shilka River; (11) at Chasovenskaya; (12) at Malinofka, on the Bureya River; (13) on the Tunguska River; (14) at Surazhefka, where the railway is to cross the Zeya; (15) at Zeya-Pristan; and (16) at the Kerbinsk Stores, on the Aigun River.

For the passing of persons bound for Russian territory from Manchuria, quarantine stations should be established in the following places: (1) Near Pokrofskaya; (2) near Blagovestchensk; (3) near Ekaterina-Nikolskaya; (4) near Mihailovo-Semenofskaya; (5) near Habarovsk. All these quarantine stations should be established on the right bank (Chinese side) of the Amur.

19. Further supervision should be exercised by not less than 5 sanitary cruisers. Passenger steamers should be accompanied by the same medical personnel as trains on the railway. Every steamer should have a special compartment for the isolation of the sick and of persons coming into contact with them, this compartment to be either in the cabin or in a boat specially towed for the purpose as may be directed by the sanitary commission.

20. During the prevalence of the epidemic the number of passengers allowed to travel in the third-class compartments should be reduced.

21. Except in special cases passengers and cargo should be kept separate.

22. At all the medical inspection stations hospitals should be established for plague patients taken from steamers, unless the waterways board shall make previous arrangement with cities or provincial administrations for the receiving of such patients into local hospitals.

23. Bodies of persons dying of the plague on board steamers should be taken with the prescribed precautions to the next medical inspection station or to the first sanitary cruiser met.

24. No passengers should be taken from the right bank of the Amur unless they are provided with certificates from the quarantine station.

25. Exceptions for persons working on the fuel wharves on the right bank of the Amur should be allowed only with the special permission of the sanitary commission.

In all other respects existing rules should be applied.

26. Russian steamers navigating the Sungari should observe the rules established for the Amur, with this exception, that each one should be required to tow a small barge for isolation purposes.

27. Special points should be fixed by agreement with the Chinese Government for delivering over the sick, persons under observation, and dead bodies from steamers on the Sungari.

28. Chinese steamers which do not satisfy the requirements for Russian vessels should not be permitted to pass into the Amur.

29. A medical inspection station and a guard boat should be placed at the confluence of the Sungari and the Amur to keep a watch over steamers and Chinese junks.

30. Russian vessels navigating the Ussuri are also subject to the rules established for the Amur. They should not be allowed to pass into the Amur till they have been inspected at the quarantine station near Kazakievitcha. Chinese should not be allowed to pass to the Russian side except through the quarantine stations at Iman and Kazakievitcha. Supervision over vessels on the Ussuri should be exercised by medical inspection stations at Veniukovo, Kozlofskaya, Kniazheskaya, and Ilinskaya.

MEASURES TO BE TAKEN ON THE LAND FRONTIER.

31. For the passing of Chinese into Russian territory along the land frontier quarantine stations should be established at the following places in the Trans-Baikal Province: Kiakhta, Uruk, Aksha, Borzya, Staro-Tsuruhaitui, Alachinsk, and Ust-Uroff; and in the Maritime Province at Hansi, Hunchun, and Poltavka.

32. The conference emphasizes the importance of immediately organizing scouting parties to collect information as to the extent of the plague epidemic in the Chinese villages near our frontiers, whether along the rivers or on the land frontier.

MEASURES TO BE TAKEN IN CITIES AND OTHER SETTLEMENTS.

Articles 33 to 46, inclusive, contain general instructions for preventive work in the interior of the Russian dominions and include little of special interest. Article 40 expresses the opinion that cities in which Chinese and Koreans live should exercise as soon as possible the right given them by law to segregate these nationalities in special quarters set apart for them. In article 41 it is stated that the summary forcible expulsion of Chinese en masse from those cities where they live crowded together is not, in the opinion of the conference, an expedient measure.

MEASURES TO BE TAKEN ON THE SEACOAST.

47. All vessels from China, before entering Russian ports, should be required to proceed to the Vladivostok quarantine station to obtain free pratique. All Chinese arriving on such vessels should be kept in quarantine five days.

48. No such vessels should be allowed to have communication with the shore in any port unless they have a certificate of health.

49. The Vladivostok quarantine station should immediately be provided with the proper equipment and staff to perform these functions.

50. In order to prevent vessels which have not complied with the requirements of article 47 from entering the Amur, a guard ship should be placed at De Castries.

MEASURES IN CONNECTION WITH THE MOVEMENT OF IMMIGRANTS.

Articles 51 to 63, inclusive, deal with the precautions to be taken in connection with the transportation of immigrants. It was decided that the movement of immigrants to the Trans-Baikal and Amur Provinces should not be stopped on account of the plague epidemic, but that they should change trains at the frontier, and that when passing through or near Chinese settlements where plague cases had been discovered the immigrants should not be allowed to leave their cars. It was advised also that they be shipped in passenger cars instead of heated freight cars as usual.

DOMINICAN REPUBLIC.

Santiago de los Caballeros—Yellow Fever.

During the past year there has been present to an unusual extent in Santiago de los Caballeros and vicinity a disease which appears to be without doubt yellow fever. Santiago de los Caballeros is a town of about 10,000 inhabitants, situated in the northern part of the Dominican Republic, on the Yaqui River, 20 miles southeast of the seaport, Puerto Plata. Cases of the disease have occurred for several years. The fatal cases are limited largely to foreigners. The disease seems to be endemic.

HAWAII.

Cholera in Honolulu.

Passed Asst. Surg. Ramus reports April 12 the occurrence of a case of cholera in Honolulu.

Record of Plague Infection.

Last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

At Hilo the last case of human plague occurred March 23, 1910. A fatal case occurred at Honokaa, 60 miles from Hilo, December 17, 1910, and 2 fatal cases were reported January 31, 1911.

The last plague-infected rat was found at Honokaa February 2, 1911.

Dr. Ramus reports in regard to plague-prevention work, March 20:

HONOLULU.

Week ended March 18, 1911.

Total rats and mongoose taken.....	722
Rats trapped.....	713
Mongoose trapped.....	9
Examined bacteriologically.....	660
Classification of rats trapped:	
<i>Mus alexandrinus</i>	103
<i>Mus musculus</i>	197
<i>Mus norvegicus</i>	67
<i>Mus rattus</i>	346
Average number of traps set daily.....	1,720

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Passed Asst. Surg. King reports, March 21:

Vessels inspected at Naples and Palermo, week ended March 18.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 12	Saxonia.....	New York.....			
12	Björnstjerne Björnson.....	Newport News.....			
14	Florida.....	New York.....	703	35	730
15	Venezia.....	do.....	882	45	1,680
15	Duca degli Abruzzi.....	do.....	1,239	60	1,680
16	Cedric.....	do.....	1,852	175	2,680
17	Friedrich der Grosse.....	do.....	956	75	1,480
18	Verona.....	Philadelphia.....	1,379	105	1,450
	Total.....		7,011	495	9,700

PALERMO.

Mar. 16	Venezia.....	New York.....	453	900	400
18	Friedrich der Grosse.....	do.....	298	400	250
	Total.....		751	1,300	650

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Mar. 12	Saxonia.....					
12	Björnstjerne Björnson.....					
14	Florida.....	26	1	25	6	59
15	Venezia.....	20	2	18	5	45
15	Duca degli Abruzzi.....	38	1	19	8	66
16	Cedric.....	34	3	17	5	59
17	Friedrich der Grosse.....	23	4	11	5	43
18	Verona.....	17	4	8	6	35
	Total.....	158	15	99	35	307

PALERMO.

Mar. 16	Venezia.....	17		14	2	33
18	Friedrich der Grosse.....	18		10	3	31
	Total.....	35		24	5	64

Smallpox in Naples.—During the week ended March 18, there were reported at the health office of the city of Naples 29 cases of smallpox with 4 deaths.

JAVA.

BATAVIA—Plague.

The American consul reported April 7 the presence of plague at Batavia.

PERU.

Status of Plague—Smallpox.

Acting Asst. Surg. Castro-Gutierrez at Callao reports March 20:

At Lima one new case of plague was reported during the week ended March 11. At Salaverry plague and smallpox have decreased. During the month of February there were reported at Salaverry 31 cases of plague with 12 deaths and 5 cases of smallpox with 1 death; from March 1 to 18 there were reported 2 cases of plague, the last case having occurred on March 2, and 3 cases of smallpox. In Trujillo and the Chicama Valley plague is reported to be diminishing.

Bills of health from ports south of Callao show as follows: Mollendo, Peru (March 10), 2 cases of plague with 1 death in preceding two weeks; Arica, Chile (March 9), plague present; Iquique, Chile (March 8), 8 cases of plague with 1 death in preceding two weeks; Valparaiso, Chile (March 3), smallpox present.

PHILIPPINE ISLANDS.

Status of Cholera.

Chief Quarantine Officer Heiser at Manila reports February 16, 23, and 27:

During the weeks ended February 11, 18, and 25 no quarantinable disease was reported in the city of Manila.

Cholera in the Provinces.

WEEK ENDED FEBRUARY 11.

Provinces.	Cases.	Deaths.
Albay.....	9	8

WEEK ENDED FEBRUARY 18.

Albay.....	6	6
Mindoro.....	13	10
Rizal.....	1	
Total.....	20	16

WEEK ENDED FEBRUARY 25.

Albay.....	7	4
------------	---	---

VENEZUELA.**CARACAS—Plague and Yellow Fever.**

Chargé d'Affaires Whitehouse reported March 18 to the Department of State the occurrence of 3 cases of yellow fever at Caracas from February 15 to March 4 and 3 cases from March 4 to 11.

On April 8 the American consul general reported a case of plague at Caracas.

ZANZIBAR.**ZANZIBAR—Smallpox—Examination of Rats.**

Consul Weddell reports March 4:

From February 6 to 20 there were reported 3 new cases of smallpox, with 1 death. The total number of cases of smallpox reported from June 8 to February 26 was 260, with 141 deaths. The total number of persons vaccinated during the same period was 36,340.

During the three weeks ended February 28 there were examined for plague infection 2,272 rats. No plague-infected rats were found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.**Reports Received During Week Ended April 14, 1911.**

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Hawaii:				
Honolulu.....	Apr. 12.....	1		
India:				
Bombay.....	Feb. 19-25.....	1	1	
Calcutta.....	Feb. 12-18.....		30	
Philippine Islands:				
Provinces—				
Albay.....	Feb. 5-25.....	22	18	
Mindoro.....	Feb. 12-18.....	13	10	
Rizal.....	Feb. 12-18.....	1		
Siam:				
Bangkok.....	Jan. 22-Feb. 20....	240	235	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended April 14, 1911.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos.....	Mar. 5-18.....		25	
Rio de Janeiro.....	Feb. 21-Mar. 11...	1		
Dominican Republic:				
Santiago de los Caballeros..				Sept., 1910, present.

PLAGUE.

Brazil:				
Bahia.....	Jan. 1-27.....	18	13	
Chile:				
Iquique.....	Mar. 2-8.....	8	1	
China:				
Amoy.....	Feb. 27.....			Present in vicinity.
Manchuria:				
Fuchiatien.....	Feb. 26-Mar. 4.....		13	
Harbin.....	Feb. 26-Mar. 4.....		50	Including 4 Europeans.
Wang-ko-chuang.....	Feb. 25.....			Present.
India:				
Bombay.....	Feb. 19-Mar. 4....	368	319	
Calcutta.....	Feb. 12-18.....		12	
Kurrachee.....	Feb. 26-Mar. 11...	185	171	
Indo-China:				
Saigon.....	Mar. 19-26.....	2		
Java:				
Batavia.....	Apr. 7.....			Present.
Peru:				
Lima.....	Mar. 5-11.....	1		
Mollendo.....	Mar. 10.....	2	1	
Salaverry.....	Mar. 2.....	2		
Siam:				
Bangkok.....	Jan. 21-Feb. 20....	18	16	
Venezuela:				
Caracas.....	Apr. 10.....	1		

SMALLPOX.

Argentina:				
Buenos Aires.....	Jan. 1-31.....		1	
Rosario.....	Jan. 1-31.....		8	
Austria-Hungary:				
Krain.....	Mar. 5-11.....	2		
Brazil:				
Bahia.....	Jan. 1-6.....	3	1	
Para.....	Mar. 12-18.....	7		
Pernambuco.....	Feb. 1-15.....		93	
Rio de Janeiro.....	Mar. 5-11.....	1		
Canada:				
Fernie.....	Mar. 27-Apr. 1....	2		
Fort William.....	Apr. 3.....			Epidemic.
China:				
Hongkong.....	Feb. 19-25.....	3	2	
Shanghai.....	Feb. 20-Mar. 12...	5	24	Deaths among natives.
Chile:				
Valparaiso.....	Apr. 26-Mar. 4....	60		
Egypt:				
Alexandria.....	Jan. 1-Feb. 28.....	6	8	
Cairo.....	Feb. 27-Mar. 4....	1	1	
Port Said.....	Feb. 27-Mar. 4....	1		
Great Britain:				
Nottingham.....	Mar. 12-18.....	1		
France:				
Paris.....	Mar. 12-18.....	3		
India:				
Bombay.....	Feb. 19-Mar. 4....	81	38	
Indo-China:				
Saigon.....	Feb. 19-26.....	43	9	
Italy:				
Naples.....	Mar. 12-18.....	29	4	
Palermo.....	Mar. 12-18.....	4	2	
Turin.....	Mar. 5-11.....	2		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended April 14, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Ensenada	Mar. 17-25.....	2	1	
Mexico.....	Feb. 29-Mar. 4.....	8	8	
San Luis Potosi.....	Mar. 5-11.....	8	7	
Tampico.....	Mar. 14-20.....	7	1	
Portugal:				
Lisbon.....	Mar. 12-18.....	13	.....
Russia:				
Moscow.....	Feb. 19-Mar. 11...	36	5	
St. Petersburg.....	Feb. 26-Mar. 11...	53	16	
Spain:				
Valencia.....	Mar. 12-18.....	6	1	
Straits Settlements:				
Singapore.....	Feb. 12-18.....	4	2	
Syria:				
Beirut.....	Mar. 12-18.....	4	1	
Turkey in Asia:				
Adana.....	Mar. 14.....	.....	1	10 miles from Mersine.
Uruguay:				
Montevideo.....	Jan. 1-31.....	15	6	

Reports Received from December 31, 1910, to April 7, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Bajil.....	Jan. 18-Feb. 12....	49	41	
Hodeida.....	Jan. 23-Feb. 12....	188	133	
Perim.....	Jan. 23.....	7	.....	Present.
Maskat.....	Nov. 20-30.....	7	7	
Menaka.....	Jan. 19-Feb. 12....	97	24	
Obal.....	Jan. 27-Feb. 12....	3	3	
Zaida.....	Jan. 27-Feb. 12....	27	15	
Austria-Hungary	Aug. 3-Nov. 7.....	.....	2	Not previously reported.
Croatia and Slavonia	Dec. 4-17.....	5	2	
Maren.....	Oct. 1-9.....	3	.....
Hungary.....	.....	.....	.....	Total for Hungary, Nov. 27-Dec. 17: Cases, 9; deaths, 3.
Bulgaria:				
Tartar-Pazardjik.....	Jan. 10.....	2	2	
Varna.....	Nov. 29.....	2	.....	From steamship Bulgarie, 3 fatal cases having been reported on p. 1936, Vol. XXV.
Ceylon:				
Colombo.....	Dec. 11-24.....	4	3	
China:				
Niuchwang.....	Aug. 1-Nov. 22.....	.....	.....	Occasional cases.
Shanghai.....	Aug. 1-31.....	.....	1	Reported out of date.
Formosa	Nov. 20-Dec. 17....	11	6	Mainly in Kelung and Taihoku.
Hawaii:				
Honolulu.....	.....	.....	.....	Total from Feb. 25-Mar. 14: Cases, 31; deaths, 22.
India:				
Bombay.....	Nov. 23-Feb. 11....	.....	105	
Calcutta.....	Nov. 13-Feb. 4.....	.....	400	
Madras.....	Nov. 27-Feb. 18....	.....	14	Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-31: Cases, 7,028; deaths, 3,943.
Rangoon.....	Jan. 1-Feb. 11.....	5	5	
Indo-China:				
Saigon.....	Dec. 12-Feb. 18....	8	5	
Italy				
Provinces—				Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17.
Aquila.....	Dec. 4-17.....	4	1	
Bari.....	Dec. 27-Jan. 30....	5	2	
Caltanissetta.....	Dec. 4-10.....	1	.....

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Provinces—Continued.				
Caserta.....	Dec. 4-Jan. 14.....	15	3	
Catanzaro.....	Dec. 27-Jan. 6.....	2	2	
Lecce.....	Dec. 11-Jan. 30.....	111	13	
Palermo—				
Palermo.....	Dec. 4-10.....	16	6	
Insane asylum.....	Dec. 4-Jan. 6.....	24	6	
Rome.....	Dec. 4-Jan. 6.....	10	7	
Salerno.....	Dec. 11-Jan. 6.....	10	.....
Japan				
				Total for Japan, Sept. 14-Nov. 30: Cases, 2,770; deaths, 1,923; including cases and deaths appearing on p. 1937, Vol. XXV.
Aichi ken.....	Oct. 16-Nov. 20.....	3	3	
Ehime ken.....	Sept. 23-Nov. 30.....	27	19	
Fukuoka ken.....	Sept. 30-Nov. 30.....	234	165	
Hiogo ken, Kobe.....	Sept. 12-Nov. 30.....	607	396	
Hiroshima ken.....	Sept. 25-Nov. 30.....	58	30	
Kagawa ken.....	Oct. 2-Nov. 30.....	293	201	
Kagoshima ken.....	Oct. 28-Nov. 30.....	4	3	
Kochi ken.....	Oct. 18-Nov. 30.....	70	42	
Kyoto fu.....	Sept. 30-Nov. 30.....	143	119	
Kumamoto ken.....	Oct. 18-Nov. 30.....	19	11	
Miye ken.....	Oct. 11-Nov. 30.....	8	5	
Nagasaki ken.....	Oct. 16-Nov. 30.....	26	11	Dec. 12-25, 5 cases, 1 death.
Nara ken.....	Oct. 3-Nov. 30.....	31	23	
Oita ken.....	Oct. 10-Nov. 30.....	2	1	
Okayama ken.....	Sept. 29-Nov. 30.....	71	49	
Osaka fu.....	Sept. 17-Nov. 30.....	951	692	
Saga ken.....	Oct. 4-Nov. 30.....	51	31	
Shiga ken.....	Nov. 20-30.....	7	6	
Shimane ken.....	Oct. 24-Nov. 30.....	7	5	
Tokushima ken.....	Oct. 3-Nov. 30.....	59	37	
Tokyo fu.....	Oct. 18-Nov. 30.....	1	1	
Wakayama ken.....	Oct. 6-Nov. 30.....	57	44	
Yamaguchi ken.....	Oct. 12-Nov. 30.....	41	29	
Java:				
Batavia.....	Nov. 13-Feb. 11.....	13	5	Among natives.
Samarang.....	Sept. 11-Jan. 25.....	608	522	
Soerabaya.....	Oct. 23-Jan. 28.....	25	15	
Korea:				
Seoul.....	Oct. 26-Nov. 5.....	1	1	
Madeira				
				Total for Madeira, Nov. 16-Feb. 8: Cases, 1,774; deaths, 555, including report, page 1938, Vol. XXV.
Funchal.....	Nov. 16-Feb. 8.....	635	210	
Calheta.....	Dec. 9-31.....	1	.....
Camara dos Lobos.....	Nov. 16-Feb. 8.....	513	160	
Machico.....	Nov. 16-Feb. 8.....	278	75	
Ponto do Sol.....	Nov. 16-Feb. 8.....	195	71	
Santa Cruz.....	Nov. 16-Feb. 8.....	89	26	
Porto Santo Island.....	Nov. 10-Feb. 8.....	64	13	
Persia:				
Assadabad.....	Oct. 5-Nov. 8.....	.....	61	
Birjend.....	Nov. 10.....	.....	.....	Present.
Enzeli.....	Nov. 8-25.....	9	11	Present in vicinity and in Pire-Bazar.
Hamadan.....	Oct. 6-Dec. 3.....	42	22	
Kasri-Churine.....	Oct. 13-20.....	.....	5	
Kerman.....	Nov. 22-Dec. 24.....	106	51	
Kermanchah.....	Nov. 5-10.....	.....	6	
Mohammerah.....	Nov. 13-Dec. 5.....	11	3	
Resht.....	Nov. 19-Dec. 3.....	48	42	Present in all villages in vicinity.
Mollag-Ali.....	Nov. 20.....	6	.....
Turbat-i-Hidari.....	Oct. 10-Nov. 15.....	66	25	
Philippine Islands:				
Manila.....	Nov. 6-Dec. 31.....	9	6	Third quarter, 1910: Cases, 195; deaths, 141.
Provinces.....				Third quarter, 1910: Cases, 5,657; deaths, 4,089.
Albay.....	Dec. 24-Feb. 4.....	24	19	
Bulacan.....	Nov. 6-Feb. 4.....	18	15	
Ilocos Sur.....	Nov. 6-Dec. 17.....	58	38	
Mindoro.....	Nov. 6-Feb. 4.....	24	17	
Rizal.....	Nov. 6-Dec. 3.....	40	32	
Union.....	Nov. 6-12.....	3	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia.....				Total for Russia, Nov. 20–Feb. 4: Cases, 1,230; deaths, 303. From May 8–Feb. 4: Cases, 216,796; deaths, 100,982.
Baku government—				
Baku.....	Nov. 6–Dec. 17....	6	2	
Batum.....	Dec. 4–10.....	2	1	
Don territory.....	Nov. 6–19.....	6	2	
Erivan government.....	Nov. 6–Dec. 10....	4	4	
Ferghana territory.....	Nov. 6–19.....	6	6	
Kharkov government.....	Nov. 6–12.....	2	.....
Kazan government.....	Nov. 6–Jan. 7....	2	1	
Kherson government.....	Nov. 6–Dec. 3....	4	4	
Kief government.....	Nov. 6–Feb. 4....	45	18	
Kuban territory.....	Nov. 6–13.....	4	4	
Lublin government.....	Nov. 20–26.....	31	13	
Mohilev government.....	Nov. 6–19.....	2	1	
Orenburg government.....	Nov. 13–24.....	15	6	
Oufa government.....	Nov. 6–12.....	2	1	
Perm government.....	Nov. 20–26.....	1	.....
Podolia government.....	Nov. 13–Jan. 28...	11	4	
Rjasan government.....	Nov. 6–12.....	2	.....
St. Petersburg government.	Nov. 6–12.....	2	.....
St. Petersburg.....	Nov. 6–Dec. 31....	32	16	
Samara government.....	Nov. 6–19.....	6	.....
Saratov government.....	Nov. 13–26.....	8	6	
Siberia, eastern.....	Nov. 6–19.....	12	3	Vladivostok, Oct. 29–Nov. 13: Cases, 4; deaths, 17.
Syr Darya territory.....	Nov. 6–19.....	7	4	
Taurida government—				
Sebastopol.....	Nov. 13–Dec. 3....	7	4	
Tambov government.....	Nov. 13–Dec. 10....	86	34	
Tiflis government.....	Nov. 6–26.....	2	.....
Vitebsk government.....	Nov. 6–19.....	3	2	
Veronesch government.....	Nov. 6–12.....	2	.....
Yekaterinoslav government	Nov. 6–Jan. 14....	65	34	
Siara:				
Bangkok.....	Nov. 6–Jan. 21....	296	291	
Straits Settlements:				
Singapore.....	Dec. 25–31.....	1	1	
Sumatra:				
Bambel.....	Dec. 29.....	.....	.....	Present.
Blagmoeti.....	Nov. 14.....	.....	.....	Do.
Keretan.....	Dec. 29.....	.....	.....	Do.
Pengoeloeidjahar.....	Nov. 14.....	.....	.....	Do.
Tripoli:				
Amrousse.....	Sept. 20–Dec. 8....	6	5	
Hand.....	Sept. 20–Dec. 8....	3	2	
Tripoli.....	Nov. 15–Dec. 8....	37	37	Total Sept. 20–Dec. 8: Cases, 323; deaths, 233.
Turkey:				
Adrianople vilayet.....	Nov. 21–Dec. 15....	60	70	94 cases and 34 deaths reported, p. 1940, Vol. XXV.
Constantinople.....	Nov. 22–Jan. 16....	841	529	Total from Sept. 13–Jan. 16: Cases, 1,318; deaths, 793.
Saloniki vilayet.....	Dec. 11–31.....	50	25	
Turkey in Asia:				
Bagdad vilayet.....	Nov. 20–Dec. 11....	119	115	Total, Oct. 16–Jan. 16: Cases, 819; deaths, 723.
Basra.....	Nov. 6–26.....	10	9	
Medina.....	Jan. 4–31.....	.....	667	
Mekka.....	Dec. 26–Jan. 28....	153	142	Feb. 5, present.
Samsoun.....	Nov. 20–Dec. 3....	6	6	
Smyrna.....	Nov. 20–Feb. 12....	331	200	
Trebizond.....	Nov. 20–Dec. 18....	107	42	And vicinity.
Yembo.....	Jan. 7–12.....	24	21	
Zongouldak.....	Nov. 20–Dec. 16....	9	6	

YELLOW FEVER.

Brazil:				
Manaos.....	Dec. 4–Mar. 4....	.....	112	
Para.....	Nov. 27–Mar. 11....	184	80	
Ecuador:				
Guayaquil.....	Nov. 1–Feb. 28....	124	46	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Honduras:				
Puerto Cortez.....	Jan. 21-29.....	.....	.....	1 fatal case on U. S. S. Marietta.
Mexico:				
Salina Cruz.....	Mar. 4.....	1	1	From s. s. Opland from Guatemalan ports.
Venezuela:				
Caracas.....	Dec. 4-Feb. 28.....	57	16	Nov. 22-Dec. 3, 5 deaths.
La Guaira.....	Dec. 1-15.....	1	1	Jan. 22-27, 1 fatal case in Canton suburb.
Macuto.....	Dec. 1-7.....	1	.....
Maquetia.....	Nov. 29.....	1	.....

PLAGUE.

Arabia:				
Mascot.....	Apr. 1.....	.....	.....	Present.
Azores:				
Terceira.....	Dec. 24.....	.....	.....	Do.
Brazil:				
Bahia.....	Oct. 29-Dec. 23.....	32	28	
Pernambuco.....	July 1-Dec. 16.....	.....	15	
Rio de Janeiro.....	Jan. 1-31.....	12	9	Nov. 1-Dec. 31: Cases 19, deaths 5.
Sao Paulo.....	Jan. 8-21.....	2	2	
Chile:				
Arica.....	Jan. 26-Feb. 5.....	5	1	Dec. 28-Mar. 7, present.
Iquique.....	Jan. 1-28.....	5	3	Mar. 7, present.
China:				
Amoy.....	Jan. 21-Feb. 11.....	2	2	Kulangsu, Jan. 1-21, 3 fatal cases. Jan. 21-Feb. 11, present in Amoy Island.
Changchung.....	Jan. 1-Feb. 20.....	1,880	.....	Jan. 1-Feb. 1: Deaths, 544.
Changtu.....	Jan. 14.....	.....	.....	Present.
Paoting-fu.....	Jan. 24.....	.....	.....	Present.
Peking.....	Jan. 24.....	2	.....
Shantung Province.....	Jan. 15-Feb. 15.....	.....	1,000	
Chefoo.....	Jan. 15-Feb. 15.....	.....	300	
Tengchowfu.....	Feb. 4.....	.....	30	
Sioke.....	Dec. 6-Jan. 4.....	.....	.....	Present, in the interior, 60 miles from Amoy.
Swatow.....	Jan. 28-Mar. 4.....	.....	.....	Present in vicinity.
Tientsin.....	Jan. 21-Mar. 4.....	.....	25	Jan. 17-Feb. 20, 60 cases.
Manchuria.....	Nov. 11-Dec. 3.....	.....	.....	Total for Manchuria, Oct. 25-Feb. 3; cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total fatal cases to Feb. 22, 22,632.
Ashihe.....	Dec. 25-Jan. 13.....	2	.....	Feb. 10: Deaths, 300 daily.
Buhedu.....	Oct. 30.....	3	3	
Dalny.....	Jan. 11-Feb. 8.....	66	60	
Dunzenshan.....	Dec. 25-Feb. 3.....	19	22	
Fengt'ing Province.....	To Feb. 22.....	3,229	.....
Fuchiatien.....	Dec. 6-Feb. 5.....	86	.....	Nov. 8-Mar. 4: Deaths, 5,146.
Hailar.....	.....	.....	.....	And vicinity. Nov. 8-Mar. 4: Deaths, 1,508 Chinese, 40 Europeans.
Harbin.....	.....	.....	.....
Hismintum.....	To Feb. 3.....	62	.....
Hulan.....	Dec. 31-Feb. 4.....	1,262	.....
Jaomin.....	Dec. 25-Jan. 13.....	1	1	
Kirin and Hellungkian Province.....	Jan. 7-Feb. 22.....	19,403	.....
Kuantchentsi.....	Jan. 1-Feb. 3.....	8	3	
Liesania vetka Handahedzy.....	Dec. 25-Jan. 13.....	9	9	
Lochagri.....	Dec. 27.....	4	4	
Loshagoon.....	Dec. 27.....	4	.....
Manchuria, station.....	Dec. 7-26.....	.....	95	
Moershan.....	Jan. 1-20.....	1	1	
Mukden.....	Jan. 1-Feb. 5.....	693	689	
Pinchou.....	Jan. 28.....	223	.....
Sanshahe.....	Jan. 1-20.....	3	3	
Tieling.....	Jan. 14-Feb. 1.....	15	1	
Tchjalainarskiy.....	Nov. 11-Dec. 3.....	104	106	Cases previously reported, 14; deaths, 12.
Tchjalantum.....	Nov. 21-Jan. 14.....	.....	42	
Turchiha.....	Oct. 30.....	4	4	
Tzaitzalgoy.....	Jan. 1-20.....	2	2	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahoyo.....	Dec. 16-Jan. 15....	16	4	
Duran.....	Dec. 16-Jan. 31....	10	4	
Guayaquil.....	Nov. 1-Feb. 28....	239	194	
Milagro.....	Jan. 1-Feb. 15....	9	5	
Egypt:				
Alexandria.....	Jan. 4.....	1	2	Nov. 29-Dec. 24, 5 cases, 2 deaths.
Cairo.....	Feb. 11.....	1	1	
Provinces—				
Assiout.....	Jan. 1-Mar. 2....	71	24	Dec. 1-29, 50 cases, 24 deaths.
Assouan.....	Jan. 1-Mar. 2....	68	39	
Behera.....	Jan. 1-17.....	3		
Beni Souef.....	Feb. 7-11.....	2		
Galioubeeh.....	Feb. 28.....	1		Nov. 22-Dec. 2, 1 case, 1 death.
Gizeh.....	Jan. 1-Feb. 2....	9	5	
Kena.....	Jan. 14-Mar. 2....	62	43	
Menouf.....	Jan. 1-27.....	6	2	Dec. 2-22, 26 cases, 14 deaths.
Minieh.....	Feb. 22-Mar. 1....	31	9	
Hawaii:				
Honokaa.....	Jan. 31.....	2	2	
India:				
Bombay.....	Nov. 23-Feb. 18....		336	
Calcutta.....	Nov. 13-Feb. 4....		131	
Kurrachee.....	Nov. 19-Feb. 25....	308	304	
Madras.....	Dec. 11-17.....		1	
Rangoon.....	Jan. 1-Feb. 11....	33	31	Dec. 11-31, 10 deaths.
Bombay Presidency and Sind.....	Oct. 29-Jan. 28....	21,855	14,671	
Madras Presidency.....	Oct. 29-Jan. 28....	5,666	4,654	
Bengal.....	Oct. 29-Jan. 28....	15,243	12,042	
United Provinces.....	Oct. 29-Jan. 28....	66,534	56,216	
Punjab.....	Oct. 29-Jan. 28....	19,395	15,294	
Burma.....	Oct. 29-Jan. 28....	1,787	1,720	
Central Provinces.....	Oct. 29-Jan. 28....	14,834	11,137	
Coorg.....	Oct. 29-Jan. 28....	19	9	
Mysore State.....	Oct. 29-Jan. 28....	7,302	5,255	
Hyderabad State.....	Oct. 29-Jan. 28....	4,552	3,847	
Central India.....	Oct. 29-Jan. 28....	3,332	2,703	
Rajputana and Ajmer-Merwara.....	Oct. 29-Jan. 28....	8,277	6,393	
Kashmir.....	Nov. 6-Jan. 28....	104	74	
Nort West Province.....	Dec. 10-Jan. 28....	61	52	
Grand total.....		168,961	134,067	
Indo-China:				
Saigon.....	Nov. 14-Feb. 12....	6	4	
Japan:				
Formosa.....	Jan. 22-Feb. 25....	12	10	
Java:				
Batavia.....	Feb. 18.....			Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.
Mauritius:				
Sept. 30-Dec. 29....	511	290		
New Caledonia:				
Noumea.....	Sept. 17.....			Present.
Peru:				
Ancachs, Department	Mar. 4.....			Do.
Casma.....				
Arequipa Department.....	Nov. 1-Jan. 31....	24	6	
Mollendo.....				Mar. 8: Cases, 2; deaths, 1.
Callao Department.....	Nov. 1-Jan. 31....	3		Feb. 7, 1 case.
Lambayeque Department.....	Nov. 1-Jan. 31....	25	14	
Libertad Department.....	Nov. 1-Jan. 31....	106	56	Dec. 10-Mar. 11, present in Chicama Valley. Salaverry, Feb. 1-28, 31 cases, 12 deaths. Mar. 7, 58 cases in Lazaretto at Truxillo. Mar. 1, present in Moche and Viru.
Lima Department.....	Nov. 1-Jan. 31....	15	8	Lima—Feb. 19-Mar. 4: Cases, 8; deaths, 3. Paita, Mar. 11, 1 case.
Piura Department.....	Nov. 1-Jan. 31....	49	26	Catacaos and Piura, epidemic.
Russia:				
Odessa.....	Jan. 1.....	1		
Astrakhan Government—				
Abil-Isken.....	Nov. 22-29.....	4	4	
Kirghiz Steppe.....	Dec. 17-Feb. 2....	99	81	
Kolden.....	Dec. 6-13.....	8	3	
Koybai.....	Dec. 10-13.....	5	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports received from December 31, 1910, to April 7, 1911.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Astrakhan Government—Continued.				
Kulken Island.....	Oct. 13-Nov. 4....	5	5	
Naurali-Tehaygal.....	Nov. 23-29.....	5	5	
Neuren.....	Nov. 17-21.....	1	1	
Trans-Caucasia.....				Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.
Petrovsk.....	Nov. 23.....	1	1	
Sanitza-Oliviana.....	Nov. 22.....	1	1	
Baku.....	Dec. 17.....	1	1	
Batum.....	Dec. 17.....	1	1	
Odessa.....	Nov. 26-Dec. 9....	1	1	
Siam:				
Bangkok.....	Nov. 27-Dec. 3....	1	1	
Straits Settlements:				
Singapore.....	Nov. 13-Dec. 3....	1	1	
Trinidad.....	Feb. 8-Apr. 1....	3	1	
Turkey in Asia:				
Jiddah.....	Jan. 15-Feb. 5....	2		Mar. 18, present.
Venezuela:				
Caracas.....	Nov. 9.....			Present.

SMALLPOX.

Abyssinia:				
Adis Ababa.....	Nov. 20-Feb. 11....			Present.
Arabia:				
Aden.....	Jan. 9-Feb. 20....	68	6	
Berbera.....	Dec. 9-Jan. 9....			Epidemic.
Bulhar.....	Jan. 25.....			Present.
Maskat.....	Jan. 1-21.....	3		1 case from a British naval vessel.
Zella.....	Jan. 25.....			Present.
Argentina:				
Buenos Aires.....	Oct. 1-Dec. 31....		16	
Rosario.....	Oct. 1-Dec. 31....		11	
Australia:				
Adelaide.....				Sept., 1910, 1 case on s. s. Kazembe from Singapore.
Barbados:				
Bridgetown.....	Jan. 14.....	1		From steamship Cara from Rio de Janeiro.
Brazil:				
Bahia.....	Oct. 29-Dec. 23....	59	30	
Para.....	Nov. 27-Mar. 11....	53	12	
Pernambuco.....	July 1-Jan. 31....		963	
Rio de Janeiro.....	Jan. 1-31.....	4	2	Nov. 14-Dec. 31, 6 cases.
Sao Paulo.....	Jan. 8-14.....		1	
Canada:				
British Columbia—				
Fernie.....	Feb. 19-Mar. 25....	8		
Vancouver.....	Jan. 1-31.....	3		
Victoria.....	Dec. 11-Feb. 28....	59		
New Brunswick—				
Moncton.....	Jan. 29-Feb. 11....	15		
Newcastle.....	Dec. 18-Jan. 25....	9		Jan. 14-Mar. 25, in vicinity.
Newfoundland—				
St. John's.....	Mar. 12-18.....	2		
Nova Scotia—				
Halifax.....	Jan. 1-14.....	3		
Louisburg.....	Dec. 25-Feb. 4....	9		
Sydney.....	Jan. 22-Mar. 25....	6		
Ontario—				
Cornwall.....	Jan. 1-21.....	3		
Ottawa.....	Dec. 18-Mar. 25....	15		
Sarnia.....	Mar. 19-25.....	1		
Quebec—				
Quebec.....	Feb. 12-Mar. 25....	3		
Ceylon:				
Colombo.....	Nov. 13-Feb. 13....	34	9	
Chile:				
Coquimbo Province.....	Dec. 13-30.....			Present in two localities.
Iquique.....	Nov. 13-19.....		1	
Punta Arenas.....	Nov. 1-30.....	1		
Talcahuano.....	Nov. 13-Dec. 17....	23		
Valparaiso.....	Nov. 20-Jan. 28....	448		Deaths not generally reported; Jan. 8-14, 2 deaths.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Canton	Dec. 11-17	26	3	
Chefoo	Dec. 11-17			Present among natives.
Chungking	Nov. 13-Feb. 11			Present.
Hongkong	Dec. 4-Feb. 18	24	13	
Manchuria—				
Dalny	Nov. 27-Feb. 11	2	1	Do.
Nanking	Nov. 20-Mar. 11			Deaths among natives.
Shanghai	Nov. 21-Feb. 19	32	144	Present 25 miles inland; Jan. 21-
Swatow	Jan. 1-7			Mar. 4, present in vicinity.
Tsingtau	Jan. 8-Feb. 11	12	1	
Colombia:				
Cartagena	Jan. 15-Mar. 5			Present.
Egypt:				
Alexandria	Nov. 1-Dec. 31	1	2	
Cairo	Dec. 3-Feb. 25	13	4	
Port Said	Dec. 17-Feb. 25	4	1	
France:				
Paris	Dec. 3-Mar. 11	49		
Germany				Total for Germany, Dec. 4-Jan.
				18, cases 14.
Gibraltar	Jan. 16-Mar. 12	4		
Great Britain:				
Dublin	Jan. 15-21	1		
Leith	Dec. 11-17	2		From a steamship from Oporto.
Liverpool	Jan. 29-Mar. 11	4		
London	Feb. 19-Mar. 11	127	7	
Hawaii:				
Honolulu	Jan. 3-Feb. 18	4		Jan. 3, 3 cases on s. s. Kihe Maru
				from Manzanillo. Feb. 18, 1
				case on s. s. Chiyo Maru from
				Yokohama.
Hilo—				
Walakea	Mar. 25-26	3		
Kona	Mar. 22	1		
Maul—				
Puene	Jan. 24	39		
Waikapu	Jan. 31	1		
India:				
Bombay	Dec. 6-Feb. 18		39	
Calcutta	Nov. 6-Feb. 4		16	
Madras	Nov. 20-Feb. 18	255	89	
Rangoon	Jan. 1-Feb. 18	150	45	Nov. 20-Dec. 31, 6 deaths.
Indo-China:				
Salgon	Nov. 14-Feb. 12	109	33	
Italy:				
Genoa	Feb. 1-15	6		
Naples	Dec. 4-Mar. 11	323	149	
Palermo	Jan. 8-Mar. 11	52	17	
Turin	Jan. 8-14	1		
Japan:				
Kobe	Dec. 26-Feb. 12	3		Dec. 26-Jan. 1, 2 cases from s. s.
				Shimosa from New York via
				ports.
Java:				
Batavia	Dec. 26-Feb. 18	8		
Malta:				
Valetta	Dec. 4-Jan. 28	4		
Mexico:				
Aguascalientes	Dec. 25-Mar. 18		43	
Chihuahua	Jan. 30-Feb. 5	1	1	
Esenada	Mar. 12-18	2		
Guadalajara	Jan. 29-Feb. 4	1	1	
Mexico	Dec. 11-Feb. 25		28	Reports from Jan. 8-28 not re-
				ceived.
Monterey	Dec. 19-25		1	
San Luis Potosi	Nov. 13-Mar. 4	116	71	Jan. 26, present in the interior of
				the State.
Tampico	Dec. 2-Mar. 10	97	24	Present in Doña Cecilia, La
				Barra, and Tancol.
Vera Cruz	Mar. 15-18	1	1	From a sailing vessel.
Netherlands:				
Rotterdam	Dec. 11-Jan. 28	4		
New Zealand:				
Lyttelton	Dec. 30	1		On s. s. Knight of the Garter
				from Karotzu, Japan.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from December 31, 1910, to April 7, 1911.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Salaverry.....	Jan. 25-Mar. 14....	9		Jan. 10-Feb. 7 present.
Truxillo.....	Dec. 19.....		2	Dec. 19-Jan. 7 present in vicinity.
Philippine Islands.....				Third quarter, 1910: cases 11, deaths 0.
Portugal:				
Lisbon.....	Dec. 3-Mar. 4....	221		Oct. 30-Dec. 31, deaths 48. Year 1910, 286. Jan. 1-Feb. 11, deaths 23.
Russia:				
Liban.....	Dec. 5-Jan. 23....	6	4	
Moscow.....	Nov. 13-Feb. 18....	122	57	
Odessa.....	Nov. 20-Feb. 18....	14	3	
Riga.....	Dec. 11-Mar. 11....	97		Oct. 1-Dec. 31, 82 deaths.
St. Petersburg.....	Nov. 13-Feb. 25....	425	116	
Warsaw.....	Oct. 9-Jan. 14....		29	
Siberia:				
Vladivostok.....	Nov. 22-Jan. 21....	16	3	
Siam:				
Bangkok.....	Dec. 21-Feb. 22....	1	1	
Spain:				
Barcelona.....	Dec. 5-Jan. 8....		2	Mar. 12, present.
Madrid.....	Nov. 1-Feb. 28....		23	
Seville.....	Jan. 1-Feb. 28....		10	
Valencia.....	Nov. 27-Mar. 11....	21		
Straits Settlements:				
Penang.....	Nov. 6-Feb. 28....	307	129	
Singapore.....	Nov. 13-Feb. 11....	81	17	
Switzerland:				
Cantons—				
Aargau.....	Jan. 29-Mar. 4....	39		
Baselstadt.....	Feb. 19-25....	1		
Bern.....	Dec. 12-Feb. 11....	11		
Turkey:				
Constantinople.....	Dec. 19-25....		1	
Turkey in Asia:				
Beirut.....	Dec. 4-Mar. 11....	32		
Smyrna.....	Dec. 18-24....	1		
Uruguay:				
Montevideo.....	Oct. 1-Dec. 31....	31	10	
Zanzibar:				
Zanzibar.....	Oct. 31-Feb. 28....	81	49	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—								
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.
Aberdeen.....	Mar. 11	185,703	47									1
Do.....	Mar. 18		47									1
Aix-la-Chapelle.....	Mar. 11	156,198	45	3								1
Amsterdam.....	do.....	574,973	162	23								3
Antwerp.....	do.....	326,351	94	6						1		5
Do.....	Mar. 18		91	5						1		4
Athens.....	Mar. 11	250,010	176	26				1	1			1
Bahia.....	Jan. 6	286,000	106	16	4			1		2		
Do.....	Jan. 13		74	11	1							
Do.....	Jan. 20		104	14	3					2		
Do.....	Jan. 27		120	18	5							
Barmen.....	Mar. 4	169,200	28	2								
Do.....	Mar. 11	169,500	37	7							1	
Do.....	Mar. 18		39	5						1		

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Beirut.....	Mar. 4	80,000	20	2						3			
Do.....	Mar. 18		22	2						2			
Belfast.....	do.....	398,421	118	15						1	1		1
Berlin.....	Mar. 11	2,072,112	538	84						1	5	23	4
Birmingham.....	Mar. 18	575,545	178							2		1	21
Do.....	Mar. 25		168							2		1	15
Bombay.....	Feb. 25	977,822	903	62	145	1		16		2			46
Do.....	Mar. 4		896	52	174			22		3			46
Bremen.....	Mar. 11	246,827	68	8								2	
Do.....	Mar. 18		59	14								2	1
Bradford.....	Mar. 11	297,180	70	4						1			
Do.....	Mar. 18		110	7						1		1	
Bristol.....	do.....	387,511	117	7						1	1	3	10
Do.....	Mar. 25		101	6								3	3
Brussels.....	Mar. 18	720,030	252	19						1		3	6
Cairo.....	Mar. 4	682,953	440	23				1	4	3	3	5	1
Calcutta.....	Feb. 18	847,796	462	38	12	30							4
Catania.....	Mar. 18	210,000	60	2									
Chemnitz.....	Mar. 4	289,850	83	8						1			2
Do.....	Mar. 11		81	12									1
Do.....	Mar. 18		73	8						1	2		1
Coburg.....	Mar. 11	23,781	8										
Cologne.....	do.....	517,236	148	24						1		5	4
Do.....	Mar. 18		189	29						1			3
Colombo.....	Feb. 25	197,613	133	19						5			
Copenhagen.....	Mar. 4	462,000	134	8							3	1	
Do.....	Mar. 11		130	11								1	5
Dainy.....	Mar. 4	41,065	18	1						1			
Dresden.....	do.....	547,300	151	18								1	4
Do.....	Mar. 11		144	21						1	4	6	2
Dublin.....	do.....	402,928	175	25						3	2		4
Do.....	Mar. 18		170	36						1		7	4
Dundee.....	do.....	171,006	65	2									4
Do.....	Mar. 25		78	8							1		6
Durango.....	Mar. 26	49,716	41										2
Edinburgh.....	Mar. 18	365,255	118	12						1	4	3	5
Erfurt.....	Mar. 4	111,535	24	3								2	
Do.....	Mar. 11	111,578	32	5						1		1	
Do.....	Mar. 18		33	6								3	
Esenada.....	Mar. 25	2,160	3					1					
Frankfort-on-Main.....	Feb. 25	414,800	107							1	3	2	1
Do.....	Mar. 4		98							1		1	1
Do.....	Mar. 11		95								5	1	1
Ghent.....	do.....	165,965	58	3								1	1
Glasgow.....	Mar. 24	897,178	281							2	3	2	15
Gothenburg.....	Mar. 18	165,400	42	7									
Harpur.....	Mar. 4	21,000	12							1		2	
Hongkong.....	Feb. 25	336,488						2					
Kobe.....	Mar. 12	403,851	127							1		1	
Konigsberg.....	Mar. 4	245,853	81	10						1			1
Kurrachee.....	do.....	130,000	149		79								
Do.....	Mar. 11		166		92								
Havre.....	Mar. 18	132,430	63	14								1	
Leeds.....	do.....	498,027	10							3	1	4	5
Leipzig.....	Mar. 11	585,743	122	15								2	4
Do.....	Mar. 18		144	13						1	1	3	1
Leith.....	do.....	87,826	24	2									5
Liverpool.....	do.....	774,951	260	30						1		1	6
Do.....	Mar. 25		285	27						2	1	3	7
London.....	Mar. 18	7,645,716	2,170					1		3	4	19	284
Lubeck.....	Mar. 19	98,700	24	2									2
Lyon.....	Mar. 11	560,000	172	35								1	
Magdeburg.....	Feb. 18	276,041	104	12								2	
Do.....	Mar. 4		88	9								1	
Do.....	Mar. 11		115									3	
Mannos.....	do.....	52,000	58	5			11						
Do.....	Mar. 18		53	2			14						
Manchester.....	do.....	631,533	214	22						5	1	1	7

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Mannheim.....	Mar. 4	194,000	52	8									3
Do.....	Mar. 11		42	8									2
Do.....	Mar. 18		50	9							1	1	1
Mexico.....	Mar. 4	500,000	402	24				8	31				1
Monterey.....	Apr. 2	100,000	60	3							3		1
Montreal.....	Apr. 1	450,000	138	13						3	3	2	1
Moscow.....	Feb. 25	1,500,000	334	95				2	49	3	28	29	8
Do.....	Mar. 4		768	98					21	1	25	24	17
Do.....	Mar. 11		750	86				3	21		29	20	11
Nagoya.....	Feb. 26	402,101	157									4	
Naples.....	Mar. 19	593,729		5				4				2	
Newcastle-on-Tyne.....	Mar. 18	290,360	91	17								1	4
Nottingham.....	Mar. 11	260,000	64							2	1	1	
Do.....	Mar. 18		74									1	
Palermo.....	do.	340,000	154	10				2			2		
Para.....	do.	185,000	86	6									
Paris.....	do.	2,776,394	937	226						5		7	19
Plymouth.....	Mar. 25	124,180	46	5						1			4
Port Said.....	Mar. 4	52,811	23	2									1
Prague.....	do.	235,556	84	13							2	1	3
Do.....	Mar. 11		101	15							2	2	
Do.....	Mar. 18		99	22									2
Saigon.....	Feb. 26	1206,000						9					
St. John's, N. F.....	Mar. 25	31,000							1		1		8
St. Petersburg.....	Mar. 4	1,907,708	737	129				11	1	6	18	12	8
Do.....	Mar. 11		720	119				5		4	16	4	9
San Luis Potosi.....	do.	82,964	110	7				7	4				12
Santa Cruz de Tenerife.....	Mar. 18	46,000	13	2					1				
Santiago.....	Mar. 25	53,614	15	2									1
Shanghai.....	Feb. 26	492,000	129	11				7			1	3	
Do.....	Mar. 5		134	14				8			2		
Do.....	Mar. 12		143	20				9				1	
Singapore.....	Feb. 18	271,060	138	20				2		3			
Southampton.....	Mar. 25	129,667	35	2							1		
South Shields.....	Mar. 18	121,866	91	17							1	4	2
Stettin.....	Var. 11	224,033	76	11							1		1
Do.....	Mar. 18		67	8							1	1	1
Talcahuana.....	Mar. 4	28,000	5	2									
Tampico.....	Mar. 20	24,453	35					1					
Trieste.....	Mar. 11	226,423	133								1	4	
Do.....	Mar. 18		126							1		3	
Turin.....	Mar. 4	401,555	154	13									1
Do.....	Mar. 11		161	15							1		
Valencia.....	Mar. 18	240,000	111	11				1					
Vienna.....	Mar. 4	2,030,834	673	109							2	10	6
Do.....	Mar. 11		666	127						1	5	4	7
West Hartlepool.....	Mar. 18	66,750	18								1		
Yarmouth.....	Apr. 1	6,700									1		
Yokohama.....	Mar. 13	419,630									1		

¹ Including Cholon and Pompenah.

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

AUSTRALIA—*Sydney*.—Month of January, 1911. Population, 631,600. Total number of deaths from all causes 626, including diphtheria 3, measles 1, scarlet fever 1, tuberculosis 44, typhoid fever 5.

AZORES—*St. Michaels*.—Month of January, 1911. Population, 131,183. Total number of deaths from all causes 175, including tuberculosis 6, typhoid fever 1.

CANADA—*Dawson*.—Month of February, 1911. Population, 5,000. Total number of deaths from all causes 10, including tuberculosis 1, typhoid fever 1.

DOMINICAN REPUBLIC—*Santo Domingo*.—Period from February 21 to March 24, 1911. Population, 18,326. Total number of deaths from all causes 41, including tuberculosis 7.

FRANCE—*St. Etienne*.—Two weeks ended March 15, 1911. Population, 150,000. Total number of deaths from all causes, 129, including diphtheria 1, tuberculosis 19, typhoid fever 1.

GREAT BRITAIN.—Week ended March 18, 1911.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 15.4 per 1,000 of the population, which is estimated at 17,160,256.

Ireland.—The deaths registered in 21 principal towns district correspond to an annual rate of 17.4 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Clonmel, viz, 5.1 and the highest at Newry, viz, 33.6 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.8 per 1,000 of the population, which is estimated at 1,917,875. The lowest rate was recorded at Leith, viz, 14.3 and the highest at Paisley, viz, 20.8 per 1,000. The total number of deaths reported from all causes was 617, including diphtheria 9, measles 4, scarlet fever 5, typhoid fever 1.

GREECE—*Patras*.—Two weeks ended March 15, 1911. Population, 41,000. Total number of deaths from all causes 41, including diphtheria 1, tuberculosis 6.

ITALY—*Genoa*.—Two weeks ended March 15, 1911. Population, 279,163. Total number of deaths from all causes 251, including diphtheria 15, measles 10, tuberculosis 40.

MAURITIUS.—Month of December, 1911. Population, 373,071. Total number of deaths from all causes 1,039, including plague 128, tuberculosis 75, typhoid fever 2.

SPAIN—*Cadiz*.—Month of February, 1911. Population, 69,382. Total number of deaths from all causes 174, including diphtheria 1, tuberculosis 18, typhoid fever 1.

TAHITI.—Four weeks ended March 17, 1911. Population, 4,000. Total number of deaths from all causes 3. No contagious diseases.

TURKEY—*Saloniki*.—Month ended March 13, 1911. Population, 200,000. Total number of deaths from all causes 163, including diphtheria 2, tuberculosis 26, typhoid fever 3.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.